First Copy

A National Newspaper for Every Branch of the Industry

Automotive Daily News

PASSENGER TRUCK PARTS, SHOP EQUIPMENT TIRES ACCESSORIES

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Car Registrations Gain in California And Pennsylvania

New York, Nov. 27.—New car registrations for October for the states of California and Pennsylvania were received today. They show a total of 19,120 cars for California, compared with 13,256 in October of 1927, a gain of 5,894, or 43 per cent. The October total in Pennsylvania was 16,598, as compared with 13,270 a year ago, giving a gain of 3,328 cars, or 25 per cent.

Added to the total of 94,252 for twenty-two states and the District of Columbia, as carried in the Tuesday Automotive Daily News, they give a grand total of 129,971 car sales in October in twenty-four states and the national capital, as compared with 89,104 a year ago. The gain is now 40,867 cars, or 46 per cent.

(Detailed October returns by makes for California and Pennsylvania are carried for the first time in this issue in the table of new car registrations on pages 6 and 7.)

AKRON RUBBER GROUP WILL MEET DEC. 3

Akron, O., Nov. 27.—The fall meeting of the Akron Rubber group will be held on December 3 in the Firestone Club house when Dr. Bradford Noyes of the Taylor Instrument Company, Rochester, N. Y., will speak on "Temperature Control in the Rubber Industry." These meetings of Akron's rubber engineers and chemists are of the greatest interest to the industry, and last year they were attended by hundreds of local rubber men.

Short discussions by engineers of the B. F. Goodrich Company, Goodyear Tire and Rubber Company and the Republic Rubber Company of Youngstown will supplement Dr. Noyes' address.

WABASH RAILWAY ORDERS 1,500 AUTOMOBILE CARS

New York, Nov. 27.—The Wabash Railway has ordered 1,500 automobile cars from the American Car and Foundry Company and 500 from the Pullman Car and Manufacturing Company.

The Chicago & Northwestern has awarded 300 flat cars to Pressed Steel Car Company. The road will buy 2,000 automobile cars soon and is still in the market for several hundred ballast cars.

TWO PREST-O-LITE CO. PLANT UNITS DESTROYED

Newark, N. J., Nov. 27.—Fire destroyed two of the eight buildings which comprise the plant of Presto-O-Lite Company, Inc., manufacturer of acetylene gas, at 351 Doremus Ave., Port of Newark. Damage was estimated at $100,000.

GREEN ISLAND PLANT OF FORD COMPANY TO SPEED OUTPUT; TO ADD 800 MEN

Cohoes, N. Y., Nov. 27.—Production at the Green Island plant of the Ford Motor Company will reach its highest mark during the next few weeks when the manufacture of radiators for the new models will be launched on a more extensive scale. Increases in all other operations are also planned and within a few weeks 800 additional men will be added to the present working force of 1,300 workers. More than half of the additional workmen will be placed at work within ten days, according to company officials.

In an interview on activities at the plant Superintendent John F. Tholl stated that shortly after January 1 at least 2,000 men would be employed at the works. He said that this week three carloads of additional machinery would be installed in a section of the big plant in preparation for an additional unit to the radiator department. It is planned to take between five and six weeks to place this machinery in position and then the expansion will come.

All other departments have been undergoing expansion since early in September and approximately 400 additional workmen have been placed. The most noticeable increases in production have been made in the new battery and shock absorber departments which now comprise a major portion of the output.

TODAY

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FORD GETS DUTY-FREE ZONE IN CONSTANTINOPLE

Berlin, Nov. 27.—An agreement has been reached by the Ford Motor Company with the Turkish government for the concession of a duty-free zone in the harbor of Constantinople, according to a dispatch from that city published in the Berliner Industrie und Handels zeitung.

October Truck Sales in 20 States Show 41% Gain

By L. E. LEVICK

NEW YORK, Nov. 27.—With complete registration returns for commercial cars for October received from twenty states and the District of Columbia, an Automotive Daily News compilation today indicates that truck sales are 41 per cent. ahead of October of last year.

Each of the geographical divisions reports a gain, ranging from 1 per cent. in Rhode Island to a remarkable increase of 171 per cent. in Kansas.

Total truck registrations in October in these states and the District of Columbia were 11,554, as compared with 8,184 in the same month last year, the gain being 3,370 vehicles or 41 per cent. October showed only a slight drop of 138 trucks from the September figure of 11,692.

Detailed October registration reports by makes are carried in this article for Idaho, Minnesota, New Mexico, Oregon, South Dakota and Washington. Similar reports from the other states have already been published in Automotive Daily News.

Below is given a tabulation of October new commercial car registrations received to date:—

NEW COMMERCIAL CAR REGISTRATIONS

State.	Oct. 1928.	Sept. 1928.	Oct. 1927.	Gain Over 1927 Per Cent.	Gain Over 1927 Trucks
Arkansas	560	372	394	42	166
Delaware	107	88	56	93	51
Dist. of Columbia	204	137	147	39	57
Idaho	126	262	123	2	3
Illinois	1,762	1,663	1,073	64	689
Kansas	605	551	223	171	382
Maryland	482	411	400	20	82
Minnesota	1,007	1,021	676	48	331
New Hampshire.	168	181	133	26	35
New Jersey	1,285	1,450	873	47	412
New Mexico	147	144	81	81	66
North Dakota ...	834	1,188	578	44	256
North Carolina ..	862	782	678	27	184
Oregon	365	244	228	60	137
Rhode Island ...	224	219	221	1	3
South Carolina..	460	339	236	95	224
South Dakota ...	316	632	280	13	36
Utah	169	173	115	47	54
Washington	406	448	314	30	92
West Virginia ...	382	353	363	5	19
Wisconsin	1,083	1,034	992	9	91
Total	11,554	11,692	8,184	*41	3,370

*Average.

The following October commercial car registration reports were received today:—

NEW MEXICO—Chevrolet 94,

(Continued on Page 12)

VERSARE BUS TO REMOVE PLANT AND EQUIPMENT

Albany, N. Y., Nov. 27.—Following formal ratification of merger plans here by the board of the Versare Bus Corporation, plant equipment and personnel will be removed from Albany to become part of the Cincinnati Car Company. Only the service department will be retained in this city, although Albany may later become the location of a branch plant.

The Versare Corporation is producing 200 buses a year.

KLEMM CO. SEEKS TO BUY AEROMARINE STARTER PLANT

Keyport, N. J., Nov. 27.—The Klemm Company, of which Inglis M. Uppercu, Cadillac motor car distributor of New York, is president, is seeking to acquire the plant of the Aeromarine Plane and Starter Company here. The purchase is to include the shore frontage of a mile on Raritan Bay, 230 acres of land and twenty-one buildings, which comprise one of the largest airplane centers of the country.

TOMORROW, Thanksgiving Day, Automotive Daily News will not be published. The regular Thursday compilation of new car registrations and table of car specifications are carried in today's issue.

DATE SET FOR OPENING NEW FIRESTONE PLANT

Los Angeles, Nov. 27.—The week of December 4 has been set for the opening of the new Firestone Tire and Rubber Company's plant at South Gate. Tying in with the opening, the Huntington Park Retail Merchants' Association's member stores will each display a Firestone tire in their windows.

WILLYS-OVERLAND ISSUES 5% EXTRA STOCK DIVIDEND

Offers Shareholders New Common at $25 Per Share

TOLEDO, Nov. 27.—Directors of Willys-Overland, Inc., declared an extra stock dividend of 5 per cent. on the common stock in addition to the regular quarterly cash dividend of 30 cents per share.

Both are payable February 1 to common shareholders of record January 18, 1929.

Also the company has offered shareholders of record December 6 the right to subscribe to new common stock at $25 per share in the ratio of one new share for every 7.5 shares held. The new common stock to be sold at $25 per share will carry the 5 per cent. stock dividend. Payment for the new stock offered to stockholders at $25 per share must be made December 26, and rights expire at that date.

Controlling interests in the

(Continued on Page 15)

DAWES SEES CHEVROLET 6 AT SHOWING IN WALDORF

New York, Nov. 27.—Vice-president Charles G. Dawes was among the 15,000 persons who saw the new Chevrolet six-cylinder models here yesterday. Mr. Dawes visited the display at the Waldorf-Astoria in the morning.

About 10,000 people viewed the Waldorf exhibit and about 5,000 the exhibit at the Chevrolet retail salesroom, Broadway and 62d Street. The showings will continue daily from 10.30 a. m. until midnight Thursday. Orders have been coming in rapidly here and in Detroit and throughout the country, according to R. H. Grant, vice-president of the Chevrolet Motor Company in charge of sales. In New York, 1,200orders had been re-York, 1,200 orders had been rehad been received in Detroit up to Sunday evening.

Motor Car Aids to Be Featured At Seventh National Power Show

New York, Nov. 27.—Because of the character of its exhibits, the seventh national power show, which opens in Grand Central Palace, Monday, December 3, for a week's run, will attract many persons interested in the production and sales of automobiles and motor products.

With more than 525 exhibitors, this year's exposition can truly be called the largest industrial display ever held in Grand Central Palace. Of this number a goodly portion has a direct bearing on the motor and allied industries, while nearly all of the exhibits will in some way hold particular interest to the motor engineer and executive.

The exposition is not open to the public. Only engineers, business executives, technical and production men, architects, contractors and others related to engineering industries will be admitted.

Exhibits in the machine shop section include fifty-three displays of tools, eleven welding, nine lubricants

(Continued on Page 12)

Seasonal Decline in Output Of Motor Cars in November

By FRANCIS P. DAILY

Washington, Nov. 27.—Automobile production declined considerably in October after exceptional activity in September and showed further reduction in November as is usual at this season, the Federal Reserve Board said today in a summary of general business and financial conditions throughout the country.

Industrial production continued in October at the high level of September and considerably above the level of a year ago. Output of minerals increased over September, while the production of manufacturers declined slightly.

Factory employment and pay rolls increased to the highest level since early in 1927. The production of pig iron was particularly large in October and the first half of No-

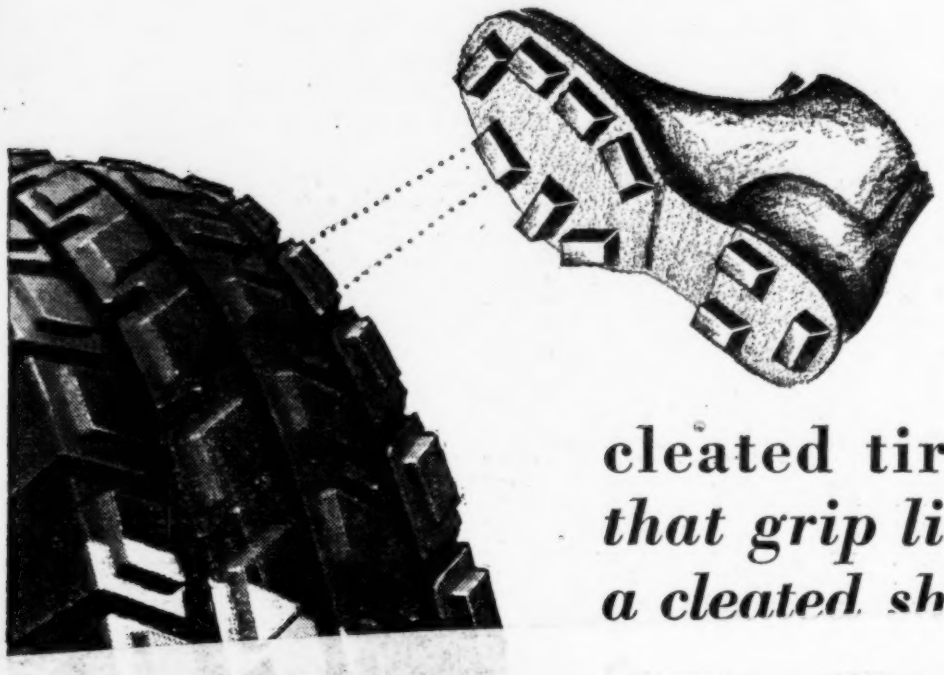
(Continued on Page 12)

DURANT, FISHER REPORTED BACKING AIRCRAFT CO.

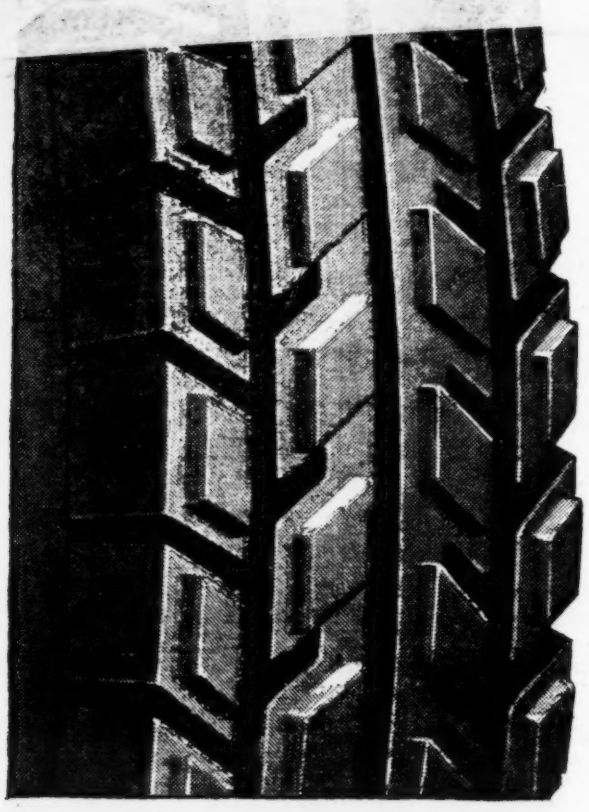
Detroit, Nov. 27.—Entrance of automobile interests into the airplane field with the idea of putting plane production on a quantity basis was disclosed yesterday when it was learned that Durant and Fisher interests plan to build a manufacturing unit around the American Eagle Aircraft Company of Kansas City, Mo. Clifford Durant, acting for himself and his father, William C. Durant, financier, are understood to head the group behind the project.

Several Detroit men, active in automobile circles, are said to be associated with the Durants in this project, and at least seventy-five dealers, many of them established motor car retailing firms, have signed contracts to sell and service the planes.

eliminates chains !!



cleated tires *that grip like a cleated shoe*



... all the time—not just when chains are off!

Cleated tires are the tire industry's answer to winter's most annoying problem. What an innovation!

The picture tells the story. Cleated tires ... grip wet roads ... bite into snow ... are sure-footed in slush and mud ... respond effectively to the demands of four-wheel brakes.

AND THEN, after the trying conditions of winter have worn down the cleats, comes into play the standard long mileage Dunlop non-skid balloon tread ... ready when spring comes, to take over the changed road demands brought about by the difference between winter and spring road conditions.

The winter mileage provided by the cleats themselves is *entirely additional to the standard tread mileage.*

Dunlop considers this cleated tread, this winterized tire one of the greatest of its many inventions for the safety and comfort of motorists.

To Dunlop dealers: If the Dunlop representative has not had time to reach you, wire your orders to the nearest Dunlop warehouse.

DUNLOP TIRE & RUBBER CO., BUFFALO, N. Y.

new DUNLOP WINTERIZED TIRE

SPARKS *from* DETROIT

B. D., D. S., S. A. E., Dec. 10

* * *

London's Buses

* * *

Prize Slogan

* * *

Pedestrians and the Law

Walter Boynton—Detroit Editor

FOR THE DECEMBER 10 meeting of the body division, Detroit section, Society of Automotive Engineers, there will be a symposium contributed by L. Clayton Hill, Murray Corporation of America, Detroit; Roy Anderson, Hayes Body Corporation, Grand Rapids; Ray Dietrich, Dietrich, Inc., Detroit, who will talk on design; Capt. H. Ledyard Towle, E. I. duPont de Nemours Company, Wilmington, Del., on color; Amos Northrup, Willys-Overland, Toledo, on interiors, and A. J. Neerken, Hupp Motor Car Corporation, Detroit, on the practicability of recent innovations.

This is obviously a galaxy. The stars will report on observations made in person at the European shows and will have something to say about the salon at New York, in the form of first-day impressions. Rivalry between the body division of the section and the aviation division continues to burn with undiminished flame.

* * *

IN CONNECTION with the Detroit traffic imbroglio and the relation of buses to trolleys, there is some interesting information furnished by an engineering friend, who has been making a recent survey of the bus and tram traffic in London, England. Of all types of vehicle utilized for urban transportation in the world's largest city, the bus numbers almost exactly as many as the trams and the railway cars on the underground system put together. The popularity of the bus [illegible] eight (3) the disfigurement of streets by overhead equipment. they (8) Low overhead. one (7)

London buses travel at an average speed of twelve miles per hour; the trams at a maximum speed of twenty miles per hour, but their average is about nine miles per hour; their effect in congested districts is to hold all traffic to this pace, reducing the capacity of a street to one-third or one-half of its normal capacity for moving traffic. On four-way streets, it is possible to move 150 buses each way per hour.

These, and other considerations make it seem likely that the manager of Detroit's department of street railways was wise in prophesying that the complete motorization of Detroit's urban transportation was in sight.

* * *

Flint has awarded a prize to the writer of the following safety slogan: "Drive With Care, Everywhere." It seems almost good enough for universal adoption by the motorist. Then, if the pedestrian could be induced to walk with care, everywhere, the millennium might be considered to be just around the corner.

* * *

THE DECISION by one of the state supreme courts that the pedestrian is within his rights, even if he walks against the red "stop" in traffic, is doubtless sound law, since it emanates from a high tribunal. But it is a perfectly good swipe at the police authority, which has had to be extended in metropolitan centers in order that enough citizens might survive to keep the center metropolitan to any noticeable extent. With all due respect to the learned and honorable court, the pedestrian, even when well within his legal rights, may, and often does, constitute an internal nuisance so far as attempts at traffic regulation are concerned, the world over.

* * *

Notable in the history of 1928 have been the earnings of the automobile body companies. Murray Corporation of America and its subsidiaries earned in the first three-quarters of the year $1,342,555 net, compared with $311,342 for the similar period in 1927. And the Briggs Manufacturing Company earned a net of $3,953,650, in the first nine months of this year, compared with $2,568,944 in the first nine months of 1927. This has been a big year for body companies generally, the well-known eye appeal running true to form in that it represents large amounts of money, no matter where it is observed.

* * *

Out at Pontiac the other day, the subject of Oakland Motor Car Company's long history came up. Some veteran recalled that the company was organized by E. M. Murphy, at that time president of the Pontiac Buggy Company, industrial cradle of many of the present well-known automobile executives. His first contribution to the infant industry was a two-cylinder car, designed by the first vice-president, A. P. Brush, who built the one-cylinder Cadillac, and the Brush runabout. In 1909, before its absorption by General Motors, Oakland built its first four-cylinder car. It was the third company to join the General Motors Corporation, and the first to use Duco as a finish for automobile bodies. When it was just getting under way, the floor space used was 50,840 square feet. Now it totals 3,380,191, equal to 32 miles of twenty-foot roadway, and is still growing.

HERE IT IS AT LAST!

Special Willys-Knight Spark Plug Hood with sleeve base Water cannot touch plug cannot get in Knight spark plug "well", cannot short Sherman guaranteed Water proof Ignition Hoods for spark plugs, coils and distributors on poppet or sleeve-valve motors shut out water, oil and dirt, make your car a 1929 model. Write.

SHERMAN MOTOR PRODUCTS
17 West 60th Street
New York City

October Car Sales Up 31% in Los Angeles District

Gain of 7.6% in Ten Months Over Year Ago Reported

By JOHN C. WETMORE

LOS ANGELES, Nov. 27.—Angelenoland automobile merchants in October fell in line with the retail trade of the country at large with a good big sales increase over that month of last year.

Comparative new passenger car registrations in Los Angeles city and county were 7,776-5,916 for October and 69,425-64,499 for the first ten months of this year. Respective gains for these periods were 31.4 and 7.6 per cent.

Ford sales and increases over last year, however, again contributed largely to the registration gains made by Los Angeles dealers as a whole. Leaving Ford out of the calculation, the other makes gained 5.7 per cent. in October (6,972-5,743), and were 5.8 per cent. ahead of last year "to date," comparative sales up to the end of October having been 61,571-58,179.

Sixteen of the thirty important makes, whose comparative new passenger car registrations follow, showed gains over last Octover, and seventeen increases over the ten months' period of 1927:—

	Oct. 1928	Oct. 1927	10 Mos. 1928	10 Mos. 1927
1 Ford	1,704	173	7,854	6,320
2 Chevrolet	1,000	1,159	12,764	12,267
3 Buick	624	683	5,160	6,869
4 Nash	449	300	3,246	3,713
5 Essex	448	407	5,343	4,628
6 Chrysler	365	458	3,764	4,537
7 Dodge	290	344	2,637	3,221
8 Gr.-Paige	284	39	1,917	502
9 Studebaker	281	391	3,301	3,817
10 Pontiac	261	181	2,892	1,960
11 Oldsmobile	223	103	1,773	996
12 Durant	216	68	1,785	620
13 Hupmobile	175	80	1,819	925
14 Packard	168	132	1,439	1,095
15 De Soto	140	0	291	0
16 Willys-Kt.	124	161	1,310	1,812
17 Plymouth	117	0	292	0
18 Cadillac	115	106	977	726
19 Whippet	114	108	1,547	1,546
20 Hudson	110	179	1,598	2,072
21 La Salle	86	67	665	418
22 Chandler	65	48	377	475
23 Reo	56	40	590	393
24 Moon	56	2	324	148
25 Marmon	51	39	497	432
26 Erskine	50	63	671	329
27 Lincoln	32	40	339	453
28 Auburn	31	50	994	707
29 Oakland	11	236	747	1,184
30 Pierce-Arrow	11	34	174	214

There was a falling off of 215 last month from October, 1927, in sales of the seven General Motors units (2,320-2,535), due to increasing Ford deliveries. There was also a drop in their ratio to the total from 44.5 per cent. in October, when Ford selling was practically at a standstill, to 29.8 per cent last month. In the first ten months, however, there was a G. M. C. gain of 7.6 per cent. (25,888-24,044). The ratio for this period was the same this year as last, 37.2 per cent. of total sales.

Comparative new passenger car registrations of multi-makers and "factory pairs" follow:—

	Oct. 1928	Oct. 1927	10 Mo. 1928	10 Mo. 1927
1 General Motors	2,320	2,535	25,888	24,044
2 Ford-Lincoln	1,736	213	8,193	6,773
3 Chrysler Motors	912	802	6,984	7,758
4 Hudson-Essex	558	586	6,911	6,700
5 Stud-Ersk.	331	454	3,972	4,146
6 Oak-Pont.	272	417	3,549	3,144
7 W. K.-Whippet	238	269	2,857	3,357

The four ponies (Ford, Chevrolet, Durant and Whippet) more than doubled their aggregate sales of October, 1927, (3,034-1,508), their ratio to the total rising from 25.4 to 39 per cent. In the first ten months of 1928 this quartet gained 20.2 per cent., their ratio rising from 30.6 to 35.9 per cent. of the total.

In the ten months' period Chevrolet sales increased 12.2 per cent., a rise in ratio from 19 to 19.8 per cent. of the total. Ford's registration gain was 24.2 per cent., with a jump in ratio from 9.7 to 11.3 per cent. of the total.

October Truck Sales Show Gain of 36.9%

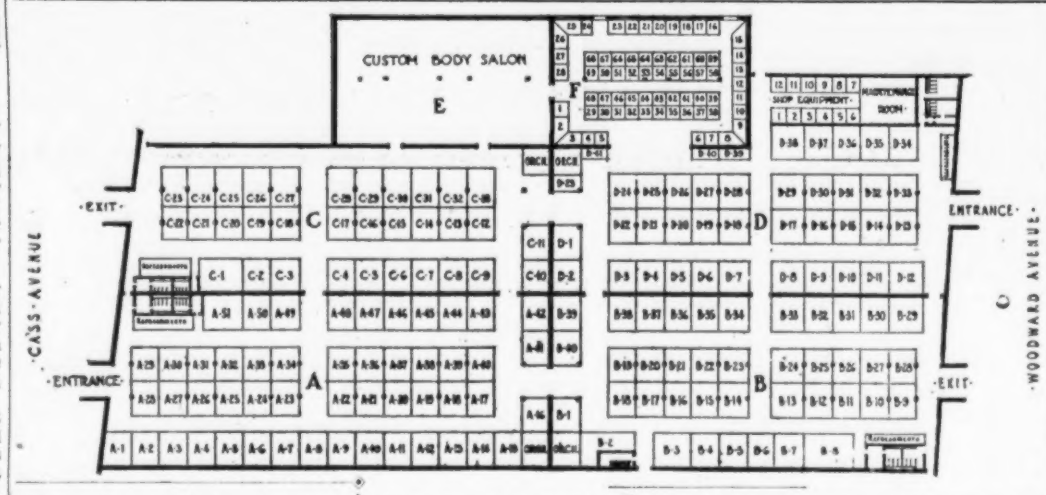
Commercial car merchants, with a 36.9 per cent. increase in sales (749-547) in October, did even better in the way of gains over last year than did passenger car dealers. The former are now only 940 sales (5,202-6,142), or 8.4 per cent. behind those of the first ten months of 1927.

Comparative truck registrations follow:—

	Oct. 1928	Oct. 1927	10 Mos. 1928	10 Mos. 1927
1 Ford	237	53	890	1,920
2 Chevrolet	157	136	1,331	1,089
3 Grm.-Dodge	125	128	905	1,119
4 Reo	56	25	392	191
5 G. M. C.	40	24	347	155
6 Moreland	21	30	204	265
7 Federal	17	15	121	149
8 International	14	5	130	107
9 White	13	11	144	138
10 Mack	11	15	202	164

The General Motors truck pair, Chevrolet and G. M. C. up to the end of October gained 34.8 per cent. in sales (1,678-1,244), their ratio to the total rising from 20.2 per cent. in 1927 to 32.2 in 1928.

Convention Hall Floor Plan for Detroit Motor Show



Heads of Durant Branches Convene

Dallas, Tex., Nov. 27.—J. W. BeBow, western district sales manager of the Durant Motor Company, was the principal speaker at a meeting of Durant branch representatives held here last week. The meeting was called to discuss sales plans and announce new policies affecting Durant cars. J. S. Oliver, branch manager, presided at the meeting.

The Durant Motor Company of Texas, of which Mr. Oliver is the head, has had a phenomenal growth during the last year. Branches have been established at El Paso, San Angelo, Austin, Houston and Shreveport, La.

Sales of Durant cars in Dallas during October showed a 300 per cent. increase over 1927, while Bexar county gained 52.94 per cent. El Paso had an increase of 50 per cent. for the month and a total increase of 633.3 per cent. for the year over the corresponding period last year. Tarrant county (Fort Worth) showed an increase of 600 per cent. in October and 719 per cent for the year to November 1. Travis county (Austin) showed an increase of 1,133.3 per cent. for the first ten months of this year over the corresponding period for 1927.

NOVEMBER CAR SALES IN CLEVELAND SHOW GAINS

Cleveland, Nov. 27.—Automobile sales in Cleveland and Cuyahoga county are running far ahead of sales in November, 1927, reports today by Herbert Buckman, manager of the Cleveland Automobile Manufacturers and Dealers' Association, showed.

New car sales, according to filed bills of sales, were 1,638 in the county for the first three weeks of November. This is a marked increase over the total of 1,228 for all of November, 1927. Buckman said much of the large total represented new Ford deliveries. Used car sales for the first three weeks totaled 5,362, as against 6,326 for the month of November, 1927.

CHEVROLET ENGAGES SPACE FOR CHICAGO EXHIBITION

Chicago, Nov. 27.—The Chevrolet Motor Company has leased space in the Pure Oil Building, at Wacker Drive and Wabash Avenue, in the downtown district, for a special display of new Chevrolet six models. The show will open December 1 and close on the 9th.

Special from A. D. N. Detroit Bureau

Detroit, Nov. 27.—A new plan of exhibition has been devised for the Detroit Auto Dealers' Association Show, to be held in Convention Hall January 19-26. The floor plan arrangement is shown above. Room A will be devoted to the display of medium priced cars, Room B the popular priced cars, Room C the high priced cars and Room D the commercial vehicles. Room E has been set aside for a display of custom bodies for cars listing at not less than $5,000.

In Room A space has been taken by Buick, Studebaker, Nash, Hupmobile, Marmon, Graham-Paige and Reo. Room B will be occupied by Chevrolet, Ford, Hudson-Essex, Whippet, Oakland-Pontiac, Dodge and Oldsmobile. Room C will have showings by Cadillac, Packard, Lincoln, Chrysler, Franklin, Pierce-Arrow, Stutz, Peerless and Stearns-Knight. Commercial cars having show space are: Chevrolet, Ford, Pierce-Arrow, Graham Brothers, Autocar, Gotfredson, Federal, Reo and Whippet.

There will be thirty-four exhibitors of motor vehicles and first choice of space in the various sections was drawn as follows: Room A, Buick; Room B, Chevrolet; Room C, Cadillac. There was no drawing for choice of space in the commercial division nor for the exhibit of custom bodies. There will be twenty-four of the latter, the product of eight or ten of the well-known makers.

Parts and accessories will be represented by the exhibits of sixty-eight manufacturers and twelve makers of shop equipment will have displays, some of them operating.

G. M. ACCEPTANCE CORP. OPENS HOUSTON BRANCH

Houston, Tex., Nov. 27.—Opening of a branch office of the General Motor Acceptance Corporation, in this city, was announced last week. Headquarters for the firm are at 1214 Niels-Esperson Building, and C. F. Wetherall is branch manager. Associated with Mr. Wetherall is H. B. Preish, assistant branch manager; C. J. McCullough, credit manager, and J. L. Leonard, field manager.

CAR SALES STILL CONTINUE STEADY

PATERSON, N. J., Nov. 27.—New and used car sales were slightly better in the first twenty days of November as compared with the same period in 1927, despite the fact that the textile mills in this section were not quite up to the 1927 production schedule. October sales were about 35 per cent. better in both new and used cars, with registration of new cars about 28 per cent. increased.

Used car dealers are trying out new ideas in used car sales. The McCrane Motors staged an auction sale with a circus performer and a black bear as atmosphere. John A. McCrane, president, was much pleased with the public response and the showrooms were crowded on sale night, people having been attracted by the ballyhoo, which was on for two days prior to the auction. Better prices and a quicker turnover of used cars resulted.

New Reo car sales, Mr. McCrane said, have increased over 1927 sales in the past few months, with the entire year promising to exceed by a large margin last year's record.

J. W. Sipp, Gardner distributor in Paterson, reports an excellent response in October and this month and believes that with another open winter sales of Gardner cars will continue to exceed last year's sales by a big percentage.

William Muller, president of the Korn Motor Corporation, distributor for Oakland and Pontiac, reports that the new Oakland All-American six has been receiving an enthusiastic reception in Paterson, while the other models are selling way ahead of the 1927 record. Pontiac sales have also increased and with the recent price cut have been selling even better.

Ellesbee Motors, Inc., according to Larry Buttler, has chalked up a new record in Graham-Paige sales this year. Scheuer Motors reports that the Falcon-Knight sales in Paterson have exceeded all expectations.

for Economical Transportation

CHEVROLET

By every standard of comparison, the Outstanding Chevrolet is an automotive sensation—providing a combination of performance, beauty, comfort, safety and handling ease that has never before been approached in a low-priced automobile.

The ROADSTER	$525	*The Sport* CABRIOLET	$695
The PHAETON	$525	*The Convertible* LANDAU	$725
The COACH	$595	LIGHT DELIVERY CHASSIS	$400
The COUPE	$595	1½ TON CHASSIS	$545
The SEDAN	$675	1½ TON CHASSIS WITH CAB	$650
		SEDAN DELIVERY	$595

All Prices f. o. b. Flint, Michigan

CHEVROLET MOTOR COMPANY, DETROIT, MICHIGAN
Division of General Motors Corporation

QUALITY AT LOW COST

Bigger and Better

Automotive Daily News

"Of, By and For the Entire Automotive Industry"

Published Every Day Except Saturday and Sunday by
AUTOMOTIVE DAILY NEWS PUBLISHING CORPORATION,
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An Exciting Year

NO ONE CAN SAY that the year 1928 in automotive circles has lacked the element of excitement. It began with Henry Ford still marking time in the production of his new Model A, and with the world generally wondering what he was going to do with it; whether he was going to be able to get into production fast enough to keep pace with his fast moving competition. Until mid-year, Ford production was modest, but from then on it began to develop and today the number of Model A's on the roads has passed the half-million mark by many thousands.

When excitement languished in actual happenings, the rumor-mongers filled the atmosphere with hints and definite statements of mergers consummated, or about to be. Early in the year, rumor connected the names of Chrysler and Dodge, with a rumor of an amalgamation. And then just when we had all put the rumor down for just that Chrysler and Dodge did merge in the third largest combine in the automotive industry. And this, after Mr. Chrysler had stirred us up with his announcement of his new De Soto and Plymouth lines, just to make matters interesting.

Scarcely had the Chrysler-Dodge merger been consummated, when rumors began to mention Pierce-Arrow as a likely participant in an amalgamation, with several companies, hinted at as the party-of-the-other-part. Then came the definite news that Studebaker and Pierce-Arrow had been united in the bonds of commercial matrimony.

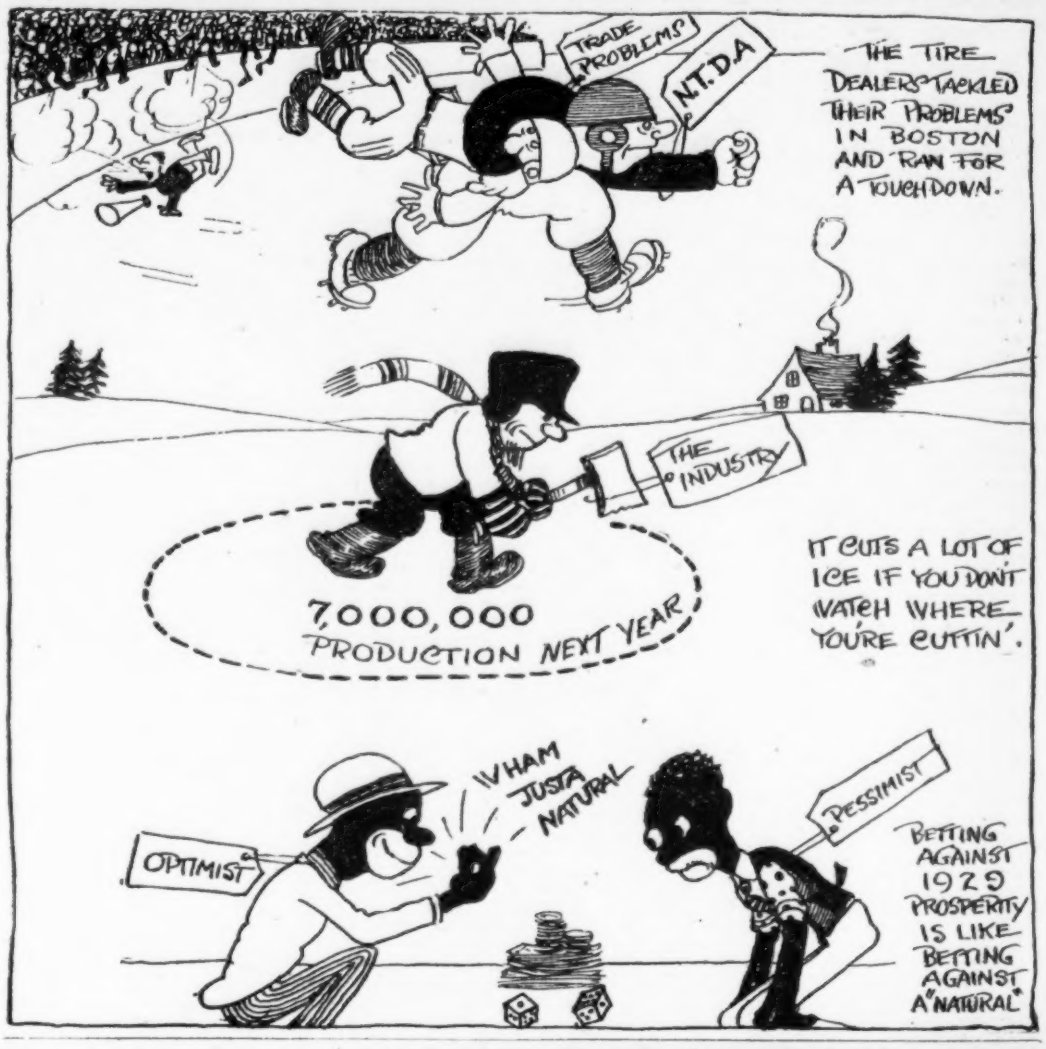
As these words are written, the automotive world still echoes with the news that Hupmobile has acquired the Chandler-Cleveland organization, and the twain will hereafter be a single manufacturing unit. Certainly the rumor-mongers have been rewarded after their long years of effort. At least three of their tried and true merger rumors have at last become accomplished fact. Which shows the truth of the old saying about keeping eternally at it bringing success.

But mergers have not been the only exciting events of this torrid year. In November the newspaper editors were called to Detroit by the Chevrolet organization, and under seal of brief secrecy were shown a most attractive and apparently able six-cylinder model which will hereafter carry the name "Chevrolet" instead of the traditional four-cylinder job that carried so many million Americans on their lawful occasions.

At the present writing there are many hints in the air of new and important developments in the production of many companies. Pontiac has announced that a new design, larger and more luxurious than its present model, will be made public shortly. Many other companies are planning announcements before show time, and there are rumors about that we may see a line or so embodying engineering principles that are new to present practices in design.

It has been a tremendously stimulating year. Every manufacturer has been "on his toes," as the football coach would put it. The company which has tried to stand still in 1928 will realize before long that it has slipped backward simply because its competitors have made long advances. Within the next few weeks we are going to have presented to us the complete results of this year of intensive effort. And the ultimate result is going to be a tremendously active and forward moving 1929.

Here and There in the Trade Headlines— By MacConachie



Morgan Favors 3 Safety Drives Each Year in N. J.

FORUM

The Automotive Daily News is glad to receive letters from its readers on topics pertaining to the trade and to publish such as seem to have general interest. Obviously the Automotive Daily News must disclaim responsibility for views expressed by its readers.

Editor, Automotive Daily News:—

The inclosed may interest your readers, as it is surely interesting.

We had a month's safety campaign, as you know, in Jersey, and I have suggested to the commissioner of motor vehicles that we ought to have three-times-a-year examination of cars looking toward their roadability. Of course, there is a selfish side to it, as it will help the service station and garage owner every year.

It would not be surprising to me to learn that sooner or later all states will follow the intelligent plan of our able state commissioner of motor vehicles, William L. Dill. There is no doubt but what many accidents occur through cars being driven that are not fit to be operated on the public highway.

Just a gleam of humor: On Thursday night a driver appeared before Judge Frank A. Bettner for driving a Ford at thirty miles per hour in the city. He offered the excuse of poverty and pleaded that the judge should not fine him, stating that the Ford had cost him only $7. Judge Bettner is possessed of a sense of humor, and is a just judge. Said he: "All right, I'll let you off this time, but if you appear before me again it will mean a fine for you, and I won't take your noble flivver as security, either."

W. J. MORGAN.
Morgan Motor Car Co.
Newark, N. J.

BEAT TRAIN TIME TO COAST IN 2 DE SOTO SIX COUPES

Detroit, Nov. 27.—One hour and thirty-four minutes faster than the fastest express train was the driving time of two California youths who recently took delivery on two De Soto Six Cupes de Lujo and piloted them from the factory at Detroit to their homes in San Bernardino. They drove 3,040 miles in 68 hours and 34 minutes.

YOUTH TOURS COUNTRY IN PLYMOUTH ROADSTER

Detroit, Nov. 27.—Albert McMullan of Palisades Park, N. J., reports a three weeks' tour of 11,000 miles to the Pacific Coast and return in a Plymouth roadster with no difficulties experienced and an average of 23 miles per gallon of gasoline, according to the Plymouth Motor Corporation.

CALENDAR OF COMING EVENTS

NOVEMBER

29-Dec. 9—**Buenos Aires, Argentina.** Auto show.

DECEMBER

1- 9—**Chicago, Ill.** Aeronautical Exposition at Coliseum.
1-10—**Montevideo, Uruguay.** 6th annual motor show.
2- 8—**New York city.** Automobile Salon at Hotel Commodore.
3- 7—**New York city.** American Society of Mechanical Engineers' annual meeting.
4- 6—**Chicago, Ill.** American Petroleum Institute ninth annual meeting at Stevens Hotel.
—**Seattle, Wash.** Automotive Maintenance Association, annual banquet.
6- 7—**Chicago.** Society of Automotive Engineers' Aeronautic Meeting.
8- 9—**Fort Worth, Tex.** National Gasoline Association, annual convention.
8-19—**Brussels, Belgium.** Automobile and motorcycle show.
10-12—**New York City.** National Highway Traffic Association annual meeting.
10-15—**New Orleans, La.** Seventh Annual Asphalt Paving Congress.
12-14—**Washington, D. C.** International Air Conference.
13-14—**Washington, D. C.** National Research Council

JANUARY

7-12—**Camden, N. J.** Automobile Show
5-12—**Philadelphia.** American Welding Society, meeting, Bellevue-Stratford Hotel.
10—**New York city.** Society of Engineres, annual dinner at Hotel Waldorf-Astoria.
5-12—**New York city.** N. A. C. C. Show
11-20—**Amsterdam, Holland.** Automobile show.
12-19—**Buffalo, N. Y.** Automobile show.
12-19—**Newark, N. J.** Automobile show.
12-19—**Philadelphia, Pa.** Automobile show.
12-19—**Milwaukee, Wis.** Automobile show.
13-19—**Cincinnati, O.** Automobile show.
14-18—**Los Angeles, Cal.** American Society for Steel Treating, semi-annual meeting.
14-18—**Los Angeles, Cal.** Western States Metal and Machinery Exposition.
14-19—**Atlanta, Ga.** Automobile show.
14-19—**Cleveland, O.** American Roadbuilders' Association, Inc., Convention and Show.
15—**Cleveland, O.** Equipment for Motor Trucks, Inc., members and visitors meeting.
15-18—**Detroit, Mich.** Society of Automotive Engineers, annual meeting.
18-26—**Columbus, O.** Automobile show.
19-21—**Montreal, Canada.** National Motor Show of Eastern Canada.
19-26—**Albany, N. Y.** Automobile Dealers Association, automobile show.
19-26—**Pittsburgh, Pa.** Automobile Dealers' Association, passenger car, accessory and shop equipment show.
19-26—**Detroit, Mich.** Detroit Automobile Dealers' Association Show at Convention Hall.
19-26—**Baltimore, Md.** Automobile Show, 5th Regiment Armory.
19-26—**Louisville, Ky.** Automobile show at Armory.
21-26—**Wilmington, Del.** Automobile show.
21-26—**Scranton, Pa.** Automobile show.
21-26—**Rochester, N. Y.** Automobile show.
23—**Detroit, Mich.** Auto Trade Association, Ninth Annual Convention at Book Cadillac Hotel.
23-Feb. 6—**Cairo, Egypt.** 2d international automobile show.
24-25—**Greensboro, N. C.** North Carolina Automotive Trade Association, annual convention.
26-Feb. 2—**Chicago.** Automobile Salon at Drake Hotel.
26-Feb. 2—**Chicago.** N. A. C. C. Show.
26-Feb. 2—**Cleveland, O.** Automobile show.
26-Feb. 2—**Washington, D. C.** Automobile Show.
26-Feb. 4—**San Francisco, Cal.** Automobile show.
28-29—**Chicago, Ill.** National Automobile Dealers Association convention at Palmer House.
28-Feb. 2—**Elmira, N. Y.** Automobile Merchants' Association, annual show.
30-Feb. 16—**Rome, Italy.** International Salon.

FEBRUARY

2- 9—**Harrisburg, Pa.** Nineteenth Annual Automobile Show.
2-10—**Seattle, Wash.** Automobile show.
4- 9—**Ottawa, Canada.** Motor Show at Coliseum.
4- 9—**Syracuse, N. Y.** Automobile Show.
4- 9—**St. Louis, Mo.** Automobile Show.
4- 9—**Grand Rapids, Mich.** Automobile Show.
4- 9—**Wichita, Kan.** Automobile Dealers' Association Show.
5- 9—**Peoria, Ill.** Automobile Show.
9-16—**Kansas City, Mo.** Automobile Show at American Royal Building.
9-16—**Los Angeles, Cal.** Automobile Salon at Hotel Biltmore.
11-16—**Denver, Colo.** Automobile Show at Auditorium.
13-16—**Mankato, Minn.** Automobile Show.
13-18—**Denver, Col.** Automobile show.
16-23—**Hartford, Conn.** Automobile Show.
18-23—**Des Moines, Ia.** Automobile Show.
16-23—**Providence, R. I.** Automobile show.
22-March 3—**Copenhagen, Denmark.** Automobile Exhibition of passenger cars
21-23—**Holyoke, Mass.** Automobile Show.
23-Mar. 2—**San Francisco, Cal.** Automobile Salon at Palace Hotel.
25-Mar. 2—**Indianapolis, Ind.** Automobile Trade Association Annual Automobile Show.
25-Mar. 2—**Springfield, Mass.** Automobile Show.
27—Mar. 2—**Sioux City, Ia.** Automobile Show.

MARCH

2- 9—**Boston, Mass.** Automobile Show.
2-10—**Los Angeles, Cal.** Sixteenth Annual Automobile Show.
5-10—**Springfield, Ill.** Automobile Dealers' Association, Eleventh Annual Automobile Show.
9-17—**Copenhagen, Denmark.** Trucks, Motorcycles, etc., shows, at Forum.
15-24—**Geneva, Switzerland.** Automobile show.

APRIL

1-Dec.—**Barcelona, Spain.** Exposition of passenger cars and trucks.

S. A. E. Sections Meetings Slated For Next Month

New York, Nov. 27.—The Metropolitan Section meeting of the Society of Automotive Engineers will be held December 7 at the Park Central Hotel here. The program, which will be a joint meeting with Metropolitan Section, American Electric Railway Association, follows:—

"Modern Bus Design—Meeting the Demand of Up-to-Date Transportation," George A. Green, vice-president Yellow Truck and Coach Manufacturing Company; "Profitable Bus Operation—Fitting the Bus to Transportation Needs," R. M. Graham, Penn-Ohio Edison Company; "Practical Bus Maintenance—Factors and Systems that Constitute Efficient Service," Adrian Hughes, Jr., United Railway & Electric Company.

Other meetings in December follow:—

Milwaukee Section Meeting, December 5. Milwaukee Athletic Club: "Wright Brothers Medal Contest Paper on Aircraft," Heraclio Alfaro, Cleveland.

Southern California Section Meeting, December 7. City Club, Los Angeles: "Brakes—Vacuum Booster and Hydraulic."—Joseph A. Moore, Electric Equipment Company; C. Stevens, engineer, Wagner Electric Company; other speakers.

Cleveland Section Meeting, December 10. Ballroom, Hotel Cleveland: "Maintenance of Automotive Equipment," Leonard Rose, Cleveland Railway Company; entertainment during dinner.

Detroit Section and Body Division Meeting, December 10. Grand ballroom, Book-Cadillac: "The Trend in Design," discused by a symposium of body engineers who have attended foreign shows.

Pennsylvania Section Meeting, December 12. Philadelphia Auto Trades Association: "Fuel Feed Systems," F. G. Whittington, chief engineer, Stewart Warner Speedometer Company.

New England Section, December 12. Engineers' Club, Boston: "External Body Finishes of Automobiles," G. C. Given, E. I. du Pont de Nemours & Co., Inc.; "Advantages of Chromium Plating," J. W. Kilduff, Aga Auto Lamp Company, Inc.

Northern California Section Meeting, December 13. Engineers Club, San Francisco: "Traffic and Service Problems of Commercial Aviation," A. K. Humphries, vice-president and general manager, Pacific Air Transport, Inc.

Indiana and Dayton, Joint Meeting, December 15, at McCook Field: "Aviation Activities and Development Abroad," Brig.-Gen. William E. Gillmore, Wright Field, Dayton.

WILL SELL AIRPLANES ON TIME PAYMENT PLAN

Baltimore, Md., Nov. 27.—Following closely on the heels of Wall Street's activities in floating securities of aircraft companies, plans have been perfected here by the largest independent financing corporation in America so that airplanes may be purchased on installments similar to the methods used in financing automobile transactions. Two twelve-passenger Ford planes have already been delivered on the partial payment basis and are now engaged in commercial work on Middle Western airways.

Back of the project for financing airplane purchases are the Commercial Credit Companies, with resources approximating $120,000,000, and pioneers in the automotive financing field. The first flyers to avail themselves of the new financing plan are C. H. Leuthi and his partner, Capt. O. M. Goodsell of Tri-Motored Air Tours, Inc., Port Clinton, O., with J. M. Kenyon of the Kenyon Transportation Company, Morris, Minn., as the second aviator to test out the financing plan. Both planes are products of the Stout Metal Airplane Company, a division of the Ford Motor Company, Detroit. Each plane cost nearly $50,000.

YOUNG & RUBICAM DIRECT ROLLS-ROYCE ADVERTISING

New York, Nov. 27.—Young & Rubicam, Inc., have been selected to direct the advertising for Rolls-Royce of America, Inc.

QUICK-ACTING ROTARY SLEEVE VALVE INVENTED AT IOWA UNIVERSITY

Iowa City, Ia., Nov. 27.—A quick-acting rotary sleeve valve has been invented by Ernest A. Putnam, mechanician in the University of Iowa college of engineering.

Now operating successfully on a one-cylinder test engine in the laboratory of the department of mechanical engineering, the valve also can be used on six and eight-cylinder motors.

The basic feature of the engine is its valve gear mechanism. One port opening in the sleeve valve serves for both the intake and the exhaust. This sleeve valve rotates through 360 degrees during one complete power cycle of the piston, its speed of rotation being increased and decreased at the proper time by a reciprocating arrangement.

Speedy opening and closing of the valve and then a slower movement throughout the remainder of the cycle overcomes the difficulties in other rotating sleeve valve engines due to slowness of motion.

WILCOX PRODUCTS CORP. OFFICE IN G. M. BUILDING

Special from A. D. N. Detroit Bureau

Detroit, Nov. 27.—Wilcox Products Corporation, which recently merged with the Rich Steel Products Corporation to form the Wilcox-Rich Corporation, has established general headquarters in the General Motors Building under the firm name of Wilcox-Rich Corporation. The companies make a long line of automotive accessories in plants at Saginaw, Battle Creek and Marshall, Mich., and are among the important contributors to volume in this branch of the industry.

Carl H. L. Flintermann, president of the company, and widely known through his numerous connections with the automotive industry, is making his personal headquarters in the General Motors offices.

EQUIPMENT FOR TRUCKS GROUP WILL MEET IN CLEVELAND JANUARY 15

Philadelphia, Nov. 27.—The next meeting of the members of Equipment for Motor Trucks, Inc., will be held during the week of the Good Road Show at Cleveland, on January 15, in the Winton Hotel, according to an announcement by George M. Bunn, secretary.

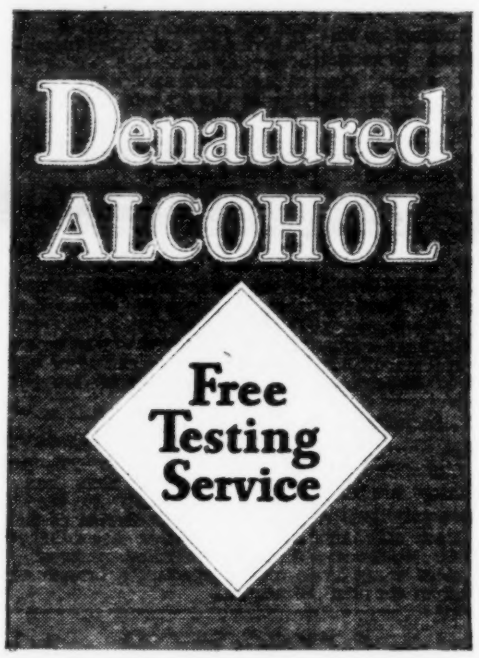
The association extends an invitation to every concern engaged in the body and equipment business to attend this meeting, which will be called at 10 a. m. Communications should be addressed to Mr. Bunn at 6902 North Cedar Park Ave., Philadelphia.

Equipment for Motor Trucks, Inc., is an association in which both manufacturers and distributors of bodies and equipment for the motor truck chassis are eligible for membership; this includes both the light and heavy duty field, in fact the entire equipment industry. Its aim is to bring about a friendly and mutual co-operation between the concerns engaged in the equipment industry, and to work out a sound and co-operative policy, between the equipment industry and the truck chassis manufacturers and their distributors, thereby promoting and furthering the cause of transportation via motor trucks.

COMMITTEES APPOINTED FOR SIOUX CITY SHOW

Sioux City, Ia., Nov. 27.—Preliminary work for the Sioux City automobile dealers' annual show, February 27 to March 2, got under way with the selection of chairmen of the various committees to take charge of the program. Duane Kidder, Kidder Motor Company, is general chairman of the show, with Max Barish, Barish Brothers, publicity chairman; Howard Turnley, Sioux Hudson-Essex Company, entertainment; Ryal Miller, Ryal Miller Chevrolet Company, decorations; Clyde Cummings, Cummings Motor Company, finance, and Elliott Stoddard, Stoddard Motor Company, out-of-town dealer.

FREE Testing Service Basis of Denatured Alcohol Merchandising



THE RED AND GREEN SIGN *that means protection for motorists and profit for the dealers. Free Testing Service is becoming a large factor in anti-freeze merchandising*

A CERTAIN green and red sign means a lot to motorists this winter.

It's a sign that reads "Denatured Alcohol—Free Testing Service"—mighty welcome words to car owners in these days of ice and snow and freezing cold.

That sign means protection. Protection against the expensive damage

of winter. *Real protection*, too . . . for millions of drivers are learning that they can have their radiator solutions *accurately* tested with the special Alco-Tester wherever this sign appears. They are learning that they are fully protected when the right amount of Denatured Alcohol has been put in according to the scientifically correct Protection Chart.

This free-testing idea is saving money for the motorists—bringing profit to the dealers. Any dealer knows there's big profit in keeping radiators filled with Denatured Alcohol. And this red and green sign and the "Free Testing Service" idea form the keynote of a dramatic, powerful advertising campaign that will send the sales of Denatured Alcohol to a new high record this season.

It's an educational campaign that is teaching millions of motorists the real facts about anti-freeze . . . teaching them that all car manufacturers approve Denatured Alcohol, more than half approve it exclusively—because experience has proved it the best. And they are being taught the correct use of Denatured Alcohol—being taught to buy it where they see the red and green sign.

Attach a $1.00 bill to the coupon below and mail it to us at once for your Alco-Tester and Denatured Alcohol Protection Chart. The Alco-Tester is a specially constructed instrument worth $3.00—the chart is scientifically accurate and up-to-date. The Industrial Alcohol Institute, Inc., 30 East 42nd Street, New York, N. Y.

WHEN THE ALCO-TESTER *shows more anti-freeze is needed the motorist is glad to buy Denatured Alcohol*

Mail this coupon at once!

C-1

The Industrial Alcohol Institute, Inc.,
30 East 42nd St., New York, N. Y.

Enclosed find my dollar for the Alco-Tester and Protection Chart.

*Name*_____

*Address*_____

*City*_____ *State*_____

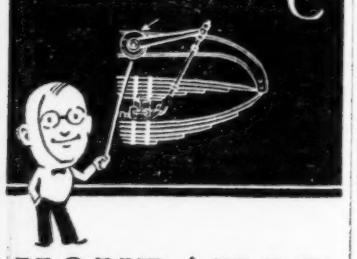
HERSHEY LOCKS

The Mark of Truly Modern Cars

Hershey Manufacturing Co.
4644-4660 West Fulton St.
CHICAGO, ILL.

GEO. H. HUNT, *Rep.*
General Motors Bldg.
Detroit, Mich.

Questions and answers about



HOUDAILLE
Hydraulic Double-Acting
SHOCK ABSORBERS

No. 1 Why are Houdailles Double Acting?

YOUR car springs work both ways, up and down. And so do Houdailles. They absorb the original bump as well as the recoil. Any device that simply checks recoil does only half the job.

HOUDE ENGINEERING CORP.,
Dept. AN, 537 E. Delavan Avenue
BUFFALO, N. Y.

In Canada—222 Simcoe Street
Toronto, Ontario

—the real answer is the RIDE!!

Indiana's Garage Owners Organize "Insured Service"

INDIANAPOLIS, IND., Nov. 27.—With a total of seventy-four general service garage men throughout the state who have aligned themselves with the nation-wide movement of the better garage owners of the United States to render the motoring public "insured service," Indiana holds the distinction of having the largest number of garages so far ever associated together under one banner in the history of the automotive industry.

"By voluntarily placing ourselves under bond," explained one of Indiana's leaders in the movement, "and otherwise subscribing to the high standards of service and quality merchandise prescribed by the association, we believe we are answering the urgent call of motorists for the class of service they have always wanted. And by adopting certain co-operative methods through the better garages of our state we are able to accomplish many features of service and operating economies possible only with the chain idea.

"The bond feature of our organization converts a promise of satisfactory service into a specific bona-fide guarantee that enables car owners, in the event of mechanical error, to get immediate adjustment without further cost, whether at the place of original work or 100 miles away."

The association is said to have already decided upon a total of 350 garages throughout the state which they hope to have affiliated with the movement by May 1 of next year.

CALLAHAN WITH CURTISS

Buffalo, Nov. 27.—John A. Callahan, who for the past eight years has been vice-president of the Martin Perry Corporation, manufacturer of automobile bodies and accessories and general manager of its York, Pa., plant, has been appointed factory manager of the Curtiss Aeroplane and Motor Company's plant. He succeeds C. Roy Keys.

McCONKY AT CHICAGO

Chicago, Nov. 27.—F. W. McConky has been appointed manager of the Chicago branch of the Goodyear Tire and Rubber Company, to succeed A. J. Sears, who goes to the factory at Akron, O., in charge of the entire Western division of Goodyear. Mr. McConky comes from the East.

Automobile Ignition Club Opens Its Sixth Term in Paterson, N. J.

PATERSON, N. J., Nov. 27.—For the sixth consecutive year the Automobile Ignition Club has been organized at the Paterson Young Men's Christian Association, under the supervision of William J. Simpson, automotive electric expert, in whose shop the repair work of the group will be conducted on Monday and Friday nights.

Those who have already joined the club are Rosario Barrale, John Carroll, John J. Daly, Leonard Sweetman, Lyle Walmsley, Paul Motta, Eugene Sciano, William Van Der Velde, Grant Ruby, LeRoy N. Stur, Alfred Sholander, Andrew Macormac and Joseph Kiel.

This club was organized as an aid to men already possessing a knowledge of an automobile. It has been found, Mr. Simpson says, that it is difficult to secure the skill in the starting, lighting, ignition, batteries and the various other electrical adjustments of an automobile by experimentation without having an expert to check each procedure to make sure no mistakes are being made.

On Monday nights the "how" of it will be brought by the use of motion pictures and other graphic methods, while on Friday nights actual shop practice will train the men.

A. S. S. T. SESSIONS TO BE HELD IN LOS ANGELES; MANY TO HAVE PART

Los Angeles, Nov. 27.—A dozen organizations will take part in the forthcoming convention of the American Society for Steel Treating, which meets in this city January 14 to 18, 1929.

Among the organizations that will be represented are the following: American Society of Mechanical Engineers, American Institute of Mining and Metallurgical Engineers, California branch of the American Petroleum Institute, Institute of Metals, American Welding Society, Society of Automotive Engineers, Pacific Coast Electrical Association, Pacific Goast Gas Association, Institute of Marine Engineers, Metal Trades and Manufacturers' Association, Chamber of Mines and Oils and the National Purchasing Agents' Association.

WINFIELD CARBURETOR BUYS LAND FOR PLANT ADDITION

Los Angeles, Nov. 27.—Winfield Carburetor Company has purchased one acre of ground on Treadwell Street for a new plant, embracing a total investment for buildings, equipment and inventory of some $125,000, as announced by W. M. Morrow.

TRANSFERRING OFFICES

Des Moines, Ia., Nov. 27.—General offices of the Lake Shore Tire and Rubber Company, Chicago, are being transferred from that city to the company's factory, East 24th and Scott Streets, and S. W. Lowry, vice-president and sales manager, will have active charge of the plant.

SERVICE MANAGERS NOW ACTIVE IN ATLANTA, GA., AFTER SUMMER LAY-OFF

Atlanta, Ga., Nov. 27 (U.T.P.S.).—The Atlanta Automobile Service Managers' Association has renewed its regular monthly meetings following the summer vacation and will continue this practice throughout the winter and spring months, it is announced.

The association is made up of the service managers of those automobile dealers who are members of the Atlanta Automobile Association, and its purpose is to bring the service managers together to discuss their mutual problems, exchange views, and effect closer co-operation among the service departments, with a view to giving the public the highest type of service obtainable. Practically all of the leading service men are members of the organization.

The officers of the association are C. H. Dickert, president; R. L. Mullins, vice-president, and C. V. Hohenstein, secretary.

BAUSCH TOOL BUSY

Springfield, Mass., Nov. 27.—The Bausch Tool Company of Wason Avenue is working overtime to fill orders for multiple drilling and tapping machines for automotive use. It is reported that a large order is in now for machinery to be used in making a special engine of new design for a car to be brought out soon.

RIM SHIPMENTS HEAVY

Los Angeles, Nov. 27.—Carload after carload of rims has been coming in recently to the Motor Rim and Wheel Service of California headquarters, according to L. A. Lindroth, sales manager. The company operates a branch at San Francisco.

Franklin Co., O., Service Concerns Form Association

COLUMBUS, O., Nov. 27 (U. T. P. S.).—A branch of the Ohio State Automotive Association was formed by automotive service companies in a number of counties in Ohio, with twenty-four charter members. The local association is called the Franklin County Automotive Association.

The purpose is to aid all those who service automobiles, by the interchange of information, the collection of credit information and in other ways to aid the industry as a whole.

Fred W. Heiser of the Miller-Main Garage was named temporary chairman, Frank Cox executive secretary, Edward Schubert field secretary and H. L. Bogen treasurer. The board of trustees consists of O. W. Stutz, Alphonso Renner, Fred School, W. R. Johnston, J. J. Schlereth, Harry Davis, John Kinstle, A. E. Brown, Edgar C. Hill, Arthur J. Byers, Ross E. Hemming, Z. Chambers, Sterling Shoaf, E. J. Wittenmairs, Charles Engle, H. Hurley and R. E. Woodruff.

New Accessory Dealers

NEW JERSEY

Paterson, Nov. 27.—Philip Feldstein of this city and Leslie S. Woolley of Allendale have organized the Woolley-Feldstein, Inc., for the sale of tires and tubes. The concern, which has an authorized capitalization of $100,000, is seeking a location in automobile row in Paterson and will later, it is stated, establish branches in the suburban towns.

OHIO

Elyria, Nov. 27 (U. T. P. S.).—The Ruder Motor Company of 112 West St. has been incorporated with a capital of $10,000 to deal in new and used automobiles, parts, accessories and to operate a service station and garage. Incorporators are A. W. Ruder, C. O. Schmitkons and H. W. Merriman.

JOIN CHAMBER OF COMMERCE

Trenton, N. J., Nov. 27.—Officials of three local automotive plants have taken out membership in the Trenton Chamber of Commerce. They are: Allan H. Jones and Homer S. Trecartin, Roller Bearing Company of America; Joseph D. Hillpot, Autocar Sales and Service Company, and Arthur M. Youngs, Capitol Rubber Company.

OCTOBER, 1928, NEW CAR

Figures in this table are from R. L. Polk & Co. of Detroit, with the exception of Illinois, which are supplied by the Corp., Trenton, N. J. Readers desiring county, city or town lists or lists of owners

States	Auburn	Buick	Cadillac	Chandler	Chevrolet	Chrysler	De Soto	Dodge	Durant	Elcar	Erskine	Essex	Falcon-Knight	Ford	Franklin	Gardner	Graham-Paige	Hudson	Hupmobile	Jordan
Arkansas		114	7	6	1115	79	30	130	69		8	56		1276		7	33	13	14	2
California	53	1731	236	143	2613	1093	348	956	656	23	182	828	22	3742	45	35	579	283	361	20
Conn.	23	307	63	40	435	167	82	180	63		31	184	7	861	39	7	62	60	102	5
Delaware	5	45	13	1	94	27	2	7	28		1	24	2	199	3		2	3	7	
Illinois	63	968	150	87	2379	465	276	447	228	6	99	551	10	3508	32	17	461	225	220	3
Kansas	4	323	4	19	1618	244	49	257	136		34	224	6	1593	3	2	70	74	28	
Louisiana		154	13	8	1092	60	59	175	17		13	74	2	1344	1		25	29	37	
Maryland	19	220	20	19	632	126	34	125	52		10	138	7	756	8	3	48	26	46	
Mass'setts	19	708	93	106	1033	356	144	320	87	1	60	468	7	2313	66	10	277	127	195	9
Minnesota	10	336	14	46	1045	170	61	202	178	6	51	176	3	2045	1	7	124	30	56	
N. Hamp.		106	3	23	154	47	31	47	30		6	56		265	8		15	13	16	1
N. Jersey	44	618	99	52	1039	391	185	267	150	6	59	273	2	1467	49	11	212	104	200	4
N. Mexico		69			309	29	8	43	33		8	23	1	174			12	3	8	
N. Ca'lina		276	11	12	1203	161	68	189	93		18	160		2015	5		40	54	42	
N. Dakota	1	92		10	578	56	23	108	74		18	58	3	712			29	12	6	
Oregon	9	183	7	24	595	60	19	134	166		28	89	10	852	9	7	41	32	23	
Pennsy.	45	1194	137	159	2278	758	331	575	382	3	88	656	17	4230	83	25	395	223	356	31
Rh. Island	3	127	14	17	181	73	22	46	10		4	54	3	314	11	2	45	18	20	3
S. Ca'lina		138	2	1	806	57	22	72	31		12	51		1082			9	21	21	1
S. Dakota	1	125		24	660	66	28	148	142		36	64		563			65	15	16	
Utah	1	47	6	6	215	21	13	46	53		6	55	1	253	2		22	13	17	
Wash'gton	6	238	14	16	558	121	25	129	116		16	91	7	677	4	7	59	41	47	
W. Va.	1	141	10	22	677	85	42	120	64		18	130	4	794	2	4	52	32	28	3
Wisconsin	10	543	23	89	1141	236	87	269	137	3	41	362	19	2135	8	10	188	102	61	4
Dis. of Col.	9	126	10	3	195	66	19	34	7		3	78	1	435	7		28	11	40	3
Totals..	326	8929	949	933	22645	5014	2008	5026	3002	48	850	4923	134	33605	386	154	2893	1564	1967	89

Dealers Reporting Necessities in Big Demand in Jersey

JERSEY CITY, N. J., Nov. 27.—Winter necessities were much in demand in Hudson county during the past week, with the beginning of the cold weather, and accessory dealers as well as automobile dealers handling parts and accessories reported increased sales in practically all lines under the heading of comforts for winter driving.

Automatic winter fronts, anti-freeze solutions, heaters, robes and in many instances chains were the leaders. Motometers were also in demand, while spark plugs were also good sellers.

Accessory dealers report that indications are that even more motorists than last winter are planning to operate their machines the year around, while garage owners say that there is a continual dropping off in demands for winter dead storage of automobiles.

Frank Galland, secretary of the Hudson County Automobile Dealers Association, has just completed a survey of conditions in this section with the result that he anticipates 1929 will be the record automobile, accessory and parts year in automotive history.

"Not only the automobile dealer, but the accessory dealer as well," Secretary Galland says, "will benefit by the increased prosperity of the state. Better cars at less money will be the inducement to many to swap in their old models for new, with the result that used cars will be more plentiful than this year and at prices that will bring the non-user of automobiles into the market. This will mean business for the accessory and parts dealers.

"The tire business, which although it has increased in volume sales has reduced profits as prices have been cut, will be more stable in 1929, in my opinion, and taken all in all, the retail automotive industry in the county will be a real success next year."

GOODYEAR EMPLOYEES CUT DOWN ON ACCIDENTS

Akron, O., Nov. 27.—The Goodyear Tire and Rubber Company, which this year inaugurated a drive for accident prevention, reduced accidents 73 per cent. in October and an average of 33.9 per cent. for the year. This figure does not show the actual comparison, as employees lost 11,000 more days of work through accidents up to November 1 in 1927 than they did this year. According to this figure, the Goodyear employees have saved approximately $70,000 in wages through efforts to prevent accident.

Co-operative Advertising Seen as Aid to Tire and Battery Dealers

By A. W. WILLIAMS

LOUISVILLE, KY., Nov. 27.—R. A. Dean, secretary of the Louisville Tire and Accessory Dealers' Association, stated that the most important problem before the members of the organization today was the question of using co-operative advertising in Louisville, with the idea of selling the consumer on good tires, properly handled through companies with service station facilities, road service, etc., and to acquaint the public with the various services that the dealers can give them in handling both their tire and battery problems.

Today, virtually all tire stations are also handling batteries, the principal exceptions being factory controlled or factory branch tire houses.

At a meeting of the association at the Kentucky Hotel the question of co-operative advertising was taken up, but there were not enough members present for any action, and the matter was tabled and will probably be held up until December, before action is taken.

Louisville dealers have carried the advertising sent out by the national association, on National Tire and Battery Inspection Week, using a little more than a quarter of a page in local papers, with eleven companies listed, including Broadway Service Center, Cassidy Tire Company, Dean's Tire Service, Heman Tire and Battery Service, Hurry Up Broadway, L. & L. Tire and Battery Service, Lee Tire and Rubber Company, Louisville Tire Company, Quick Tire Service, Short's Tire Service and the Stiglitz-Gray Tire Company.

SOUTHERN AUTO & WAGON PUTS ON ADDITIONAL MEN AFTER LONG SLUMP

Charlotte, N. C., Nov. 27.—The commercial body business of the Southern Auto and Wagon Company here has been so active in recent weeks that Manager Cook states it has been necessary to employ more workmen and work at nights. Mr. Cook says commercial body building has been on a slump for some months, but that it is picking up at a lively rate.

The Southern Auto and Wagon Company builds automobile and truck bodies. It has recently added to its equipment a wrecker, and will bring in wrecked cars from long distances when the job calls for the rebuilding of a body. Manager Cook states positively that the addition of a wrecker does not mean that his company will compete with service stations in handling cars with the wrecker.

GOODRICH SALES SESSION

Los Angeles, Nov. 27.—The Los Angeles sales organization of the Pacific Goodrich Rubber Company, together with that from the Phoenix, Ariz., branch, held a sales conference and discussion of the company's sales program recently, under the direction of F. E. Titus, general sales manager, and F. I. Hockensmith, branch manager.

INTERSTATE NAMES WALLACE

New Orleans, Nov. 27.—The Interstate Electric Company has added to its city sales force S. A. Wallace, whose former connection was assistant to the superintendent of the Ford Motor Company of New Orleans.

JOE'S TIRE SHOP LOCATED IN FORT RAWNSLEY BLDG.

Trenton, N. J., Nov. 27.—Joseph Shaw Papier, owner of Joe's Tire Shops in this city and Pennsylvania towns, is located in his new home on Warren Street. The building, which is known as Fort Rawnsley, was erected on the site of the ruins of a trading post in 1840. The concern features Lee tires and has a large electric sign on the roof with electrically lighted arrows pointing to the corner entrance.

GILLETTE RUBBER WILL DOUBLE TIRE CAPACITY

Eau Claire, Wis., Nov. 27.—Additions and expansions now under way at the plant of the Gillette Rubber Company here will increase the daily production of tires to 10,000 a day, as compared with a daily production of 5,000 tires at the present time.

The building that marked the beginning of the present program of expansion was begun early in October. The permit for the third of such additions has just been taken out. The three additions will have an aggregate cubical content of 1,102,225 feet. Besides these improvements and expansions the firm is spending a large sum of money in improving the broadcasting facilities of the firm's radio station, WTAQ. A new station is being built at the present time.

HOUDE WORKERS DANCE

Buffalo, Nov. 27.—Nearly 2,500 employees of the Houde Engineering Corporation, manufacturer of Houdaille shock absorbers, attended the first annual dance of the Houde family in Elmwood Music Hall.

Fuller & Johnson In Reorganization

MILWAUKEE, WIS., Nov. 27.—The Fuller & Johnson Manufacturing Company, Madison, Wis., manufacturer of small motors for agricultural and industrial purposes, has been acquired by the Second Ward Securities Company and the Quarles Company, Milwaukee, and will work hand in hand with the Waukesha Motors Company, Waukesha, Wis. No public financing or consolidation is planned.

The new interests intend to reorganize the business, and supply more capital, with ownership remaining in the hands of their associates and the management. Officers will remain unchanged, but a policy of sales expansion will be inaugurated. The board is expected to include Henry L. Horning and S. A. Perkins, president and treasurer respectively of the Waukesha Motors Company, as well as C. L. McMullen, present head of the concern; J. B. Angle of the Quarles Company and Willits Pollock, vice-president of the Second Ward Securities Company.

The Fuller & Johnson Company was founded in 1840, and is believed to be the oldest manufacturer of light gasoline motors in the country. It manufactures a line in the 5 to 20 horse power field, while the smallest motor made by the Waukesha concern is a 25 horse power. Fuller & Johnson during the last two years has been operating under a license from the Waukesha Company for the use of the "Ricardo head."

Capitalization of the reorganized company, which has assets of approximately $1,000,000, will be $290,000 of bonds and 66,000 shares of no par common, according to present plans.

BOWEN PRODUCTS CORP. NOW OPERATING AT PASADENA

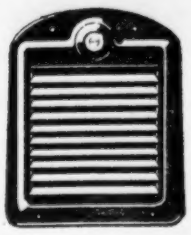
Los Angeles, Nov. 27.—Bowen Products Corporation of Auburn, N. Y., some months ago completed, and n[illegible] factory at 510 S[illegible] m[illegible] ta[illegible] p[illegible]

SUPPLY [illegible]

Davenport, Ia., Nov. 27.—The Western Auto Supply Company, Kansas City, has leased the building at 217 Brady St., and will occupy it about December 1. The firm handles a complete line of accessories and tires.

NEW ACCESSORY BUILDING

Buffalo, Nov. 27.—Breton Brothers, who operate an accessory, supply and filling station business at Broadway and Transit Road, Depew, have begun construction of a new building.



THE entire Winterfront distributing organization stands ready to give car dealers everywhere the fullest cooperation in sales, service and advertising.

As a car dealer—your place of business is logically a major retail [illegible] mum of selling effort—you can make a Winterfront sale with every car sale. And thus take advantage of an acknowledged source of handsome profit.

Winterfront Distributors Everywhere

PINES WINTERFRONT *is the only automatic radiator shutter on the market*

Pines Winterfront Company
424 No. Sacramento Blvd.
CHICAGO

REGISTRATION STATISTICS

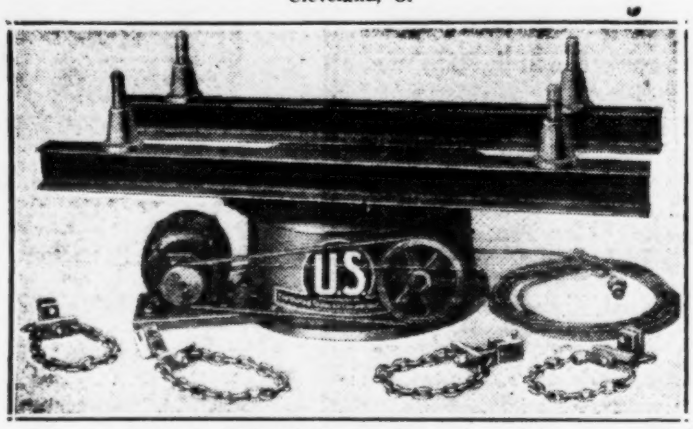
Robinson Advertising Service, Springfield, Ill., and New Jersey, which are furnished by the Automobile Sales Record in any given section, may obtain these by addressing any of these three companies.

States	La Salle	Lincoln	Marmon	Moon	Nash	Oakland	Oldsmobile	Packard	Peerless	Pierce-Arrow	Plymouth	Pontiac	Reo	Stearns Knight	Studebaker	Stutz	Whippet	Willys-Knight	Miscellaneous	Totals
Arkansas	12	2	8	1	89	4	20	5		3	83	126	4		22	5	159	11		3513
California	209	58	109	86	1103	51	497	343	23	40	366	775	133	11	776	15	263	263	50	19120
Conn.	56	6	24	2	206	19	77	149	8	15	86	212	42	3	147	4	106	38	9	3927
Delaware	16				37		12	18	1	5	12	40			10		12	3	1	630
Illinois	163	50	67	20	835	34	346	407	31	31	287	701	84	3	384	33	490	146	41	14343
Kansas	13	4	10		230	23	94	22	3	5	75	415	24	1	71	3	620	40		6341
Louisiana	15	7	8		194	6	47	24	2	6	85	171	6		43		107	13	1	3838
Maryland	26	9	17		152	6	48	51	8	11	89	85	17		47	5	108	21	33	3022
Mass'setts	133	19	53	5	446	44	151	399	29	45	144	376	84	12	234	13	230	93	32	8941
Minnesota	19	9	7	1	211	35	121	71	5	8	237	326	23	1	109	2	315	73	17	6151
N. Hamp.	6	1	7		52	10	29	20	1	1	24	43	11	3	26		40	9	4	1103
N. Jersey	128	25	44	13	547	23	210	309	36	51	245	384	67	5	265	12	236	134	11	7977
N. Mexico		1			23		12	1			14	20	2		20		29	3		845
N. Ca'lina	19	5	3		99	4	84	25	1		72	231	19		55		264	21		5249
N. Dakota	3		7		64	4	60	3			92	155	3		22		241	30	2	2466
Oregon	13		5		86	16	77	27		5	48	158	16	1	68	2	113	51	3	2977
Pennsy.	181	28	82	13	813	52	390	489	69	82	348	600	126	5	477	12	592	231	42	16593
Rh. Island	34	1	5		79	6	11	29	7	9	37	47	30	4	26		59	19	6	1376
S. Ca'lina	6	2	2		50	5	27	12			23	125	7		28		123	10		2746
S. Dakota	8		3		101	2	107	6			75	156	6		53		259	21		2750
Utah	8	2	3		33	3	31	19			16	32	7		24	2	23	12	1	993
Wash'gton	22	2	5		119	12	87	26	5	4	82	97	32	1	81	6	134	57		2944
W. Va.	13	4	8	4	115	5	66	22	2	3	78	90	19	1	46	4	127	30		2866
Wisconsin	24	10	21	3	604	66	214	66	15	11	183	429	32	3	168	6	350	80	29	7782
Dis. of Col.	17	8	11	2	78	5	43	39	7	5	27	67	5	1	38	2	19	14		1463
Totals..	1144	253	509	150	6366	435	2861	2582	253	340	2828	5861	799	55	3240	126	5019	1423	282	129,971

PAY YOUR RENT WITH ACCESSORIES

TURN-TABLE CAR SALES AID

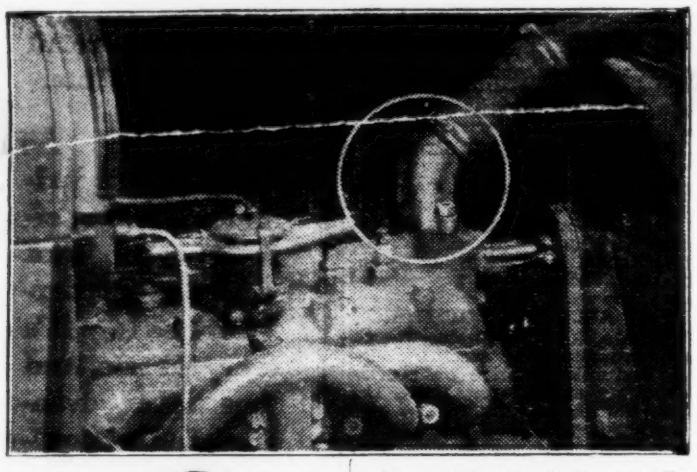
THE UNITED STATES AIR COMPRESSOR COMPANY
Cleveland, O.

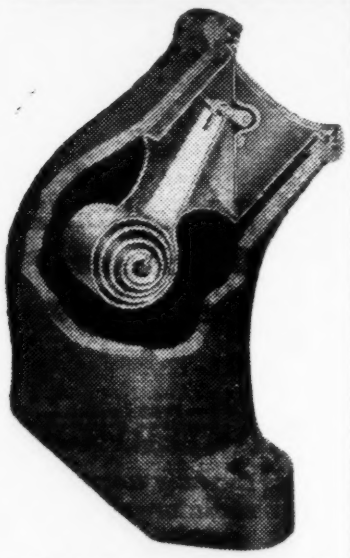


This new device is designed for displaying automobiles in locations where the observer is required to remain in a fixed position or where space limitations make it impossible for a number of persons to view the car from all angles without difficulty. The car is placed on the turntable and the springs are drawn down on the axle to the normal load flex and anchored with chains. The current is then turned on and the table and car revolve so that a person standing at any one position will be able to view the car from every angle as it turns. In addition to use in window displays the turntable is said to be very valuable for use at shows where a number of people can gather around in a circle and see the car without crowding. The mechanism is simple in construction, quiet in operation and requires little attention other than occasional oiling. It is easily set up and moved from place to place on a small dolly, as it weighs 345 pounds and has a maximum capacity of 5,400 pounds. Furnished complete with four skids, four spring chains and clamps and twenty-five feet of electric wiring. Daily current consumption is said to be about equal to that of a 200-watt lamp. Price $186 for 110-volt, 50 or 60 cycle, single phase current, and $196 for 110 volt, 25, 30, or 40 cycles, single phase current. For 110 volt D. C., $186.

DOLE THERMOSTAT FOR MODEL A FORDS

THE DOLE VALVE COMPANY
1913 Carroll Ave., Chicago

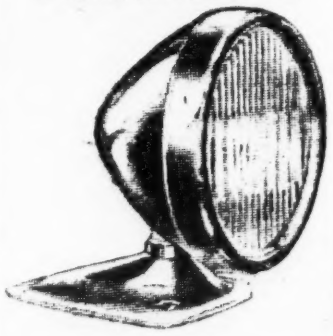




This device is said to aid in quickly warming up the new Ford engine and maintaining the most efficient operating temperature after engine is running. The thermostat is placed in the radiator hose between the engine and the upper hose connection as shown in the illustration. The temperature is set at the factory and the variations in the water temperature change the pitch of the butterfly valve shown in the smaller illustration so that the flow of water through the cooling system is automatically controlled. The thermostat is said to reduce crank case dilution, gasoline waste and carbon accumulation in the combustion chamber as well as keeping the engine at efficient operating temperature. Price $4.50.

FORD FENDER LAMPS

TIFFANY MANUFACTURING COMPANY
42 Spring St., Newark, N. J.



These fender lamps are attached to the crown of the fender of the Model A Ford and follow the vogue set by the higher priced cars. The lamps are 4 inches in diameter and finished chromium plate. They are suitable as fog lights or ditch lights and may be used for parking. Price $10. Dealer's price, 1 to 6, $6.67; 6 or more, $6.

CLASSIFIED ADVERTISEMENTS IN THE AUTOMOTIVE DAILY NEWS BRINGS RESULTS

TIREAGE BOOKS

ADAMS-WRIGHT COMPANY
423 Santa Monica Boulevard, Santa Monica, Cal.

Tireage books are offered as sales building medium for tire dealers. The booklet is supplied with the dealer's name, address and brand of tires carried printed on the front cover, and are distributed to the customer with each tire purchase or repair job. The inside of the book is divided into sections, so that a record of the tire pressures carried in the tire can be checked each 500 miles and notations made. The object is to educate motorists to have the air pressure in their tires checked at frequent intervals by the dealer who sells the tires. This helps keep the tire pressure even and adds to the length of the tire life as well as bringing the customer back to the store at given periods. The booklets are conveniently small and may be carried in the vest pocket or in the pocket of the car. The booklet is illustrated with a series of cartoons, which, while humorous, give some helpful hints on tire care.

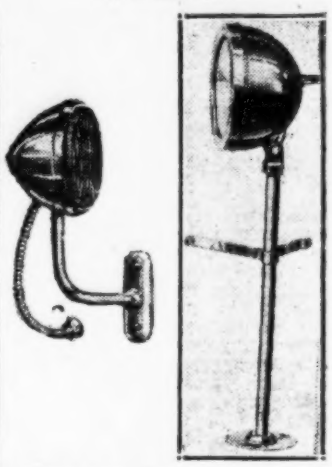
THOMPSON NEAYLON CABLE DISPLAY

THOMPSON-NEAYLON MFG. CO.
3545 South Morgan St., Chicago

A new display cabinet for exhibiting individual packing of cables is being offered by the above company as well as a new "Master Salesman" assortment of cables and a rack which can be used for displaying bulk shipments of cables. The Master Salesman rack is finished in attractive colors and affords a neat and effective arrangement of stock. The Jim Dandy cabinet contains forty individually packed cables and is attractively finished. It weighs forty pounds and is priced complete at retail at $40.

K-D COWL LAMPS AND RUNNING BOARD SEARCH-LIGHTS

THE K-D LAMP COMPANY
Cincinnati, O.



Three new types of cowl lamps, Models 95, 96 and 97, for use with the Model A Ford, have just been announced by this company. The lamps are designed to harmonize with the other lamp equipment of the car. The new lamps are 3½ inches in diameter and 3 inches deep and are finished in chromium and nickel plate, and range in price from $7 to $14 a pair. This company is also offering a new running board searchlight for the new Ford. This lamp is known as Model 92, for other than Model A Ford cars or 93 for Ford cars only, and may be mounted on the running board of either closed or open models. The lamp is 8 inches in diameter and 4½ inches deep. Offered in chromium or nickel plate, priced $9 to $13.50.

ANTI-SHIMMY WEDGES

R. J. LOOK & CO.,
Baltimore, Md.

A new line of tapered wedges for adjusting the caster in the front axles of automobiles is being marketed by the above company. The wedges are made of malleable iron, corrugated to prevent slipping and slotted so that they may be installed without removing the center bolt from the spring. To install the spring clips are loosened and the wedge driven between the axle and the spring. Wedges are made in various widths and thickness and in a series of tapers, which makes them adaptable for use with all makes and types of cars. Retail price, 25 cents each.

Ottumwa, Ia., Nov. 27.—The formal opening of the Burt Motor Company, Inc., was held at 121 East 2d St., with an exhibit of Chandler been awarded the distributorship for all counties of southeastern Iowa.

Heads turn in quick appreciation *of this* PEERLESS

INSTINCTIVELY your eyes are drawn to the Six-81, and you gasp with pleasure and quick appreciation. For it's just that kind of a car—dashing—colorful—distinctively different.

Announced only a short time ago, the public instantly approved it. Dealers and distributors, too, quickly saw the sales possibilities of this new Peerless product.

It will be followed by worthy running mates. Watch for them. Learn about Peerless plans for 1929. Write, wire or phone for complete information on the franchise.

PEERLESS MOTOR CAR CORPORATION · *Cleveland, Ohio*
Six-81 closed models $1595 and up · Six-91 closed models $1895 and up (F. O. B. Factory)

Attention

The eyes of the automobile world will turn to a brand new car when it is announced at the New York Automobile Show. A most extraordinary car, incorporating many advanced mechanical ideas—yet nothing untried or experimental. A truly remarkable car. Priced at approximately $2500—to sell in volume.

Low investment

The manufacturers of the new car do not expect dealers to carry enormous stocks of new cars. No undigestible allotments are "forced" upon the representatives in the field. Thus investments are lower, and capital that otherwise would be invested in new cars is available for every day duty.

New ideas

Among the many improvements of the new car will be a new method of gas feed, bettered by use of a vacuum pump—a principle new to the industry. Increases power—aids starting—effects economy.

Refinements

The upholstery for the new car is rich and luxurious—of fine, high grade fabrics and genuine leathers of distinctive beauty. Each body virtually a custom-made product. Refined. Distinctive. Appointments express the modernness of design throughout.

Many features

1. New-type gas feed
2. Richness of upholstery
3. Automatic device to prevent backward roll
4. Either a six or eight-cylinder motor, optional with the customer
5. Low center of gravity
6. Steel running boards—"side bumpers"
7. Four forward speeds
8. Safety glass—all around
9. Safety non-glare head lamps
10. Adjustable seats, front and rear, with adjustable backs
11. Bodies designed by Le Baron

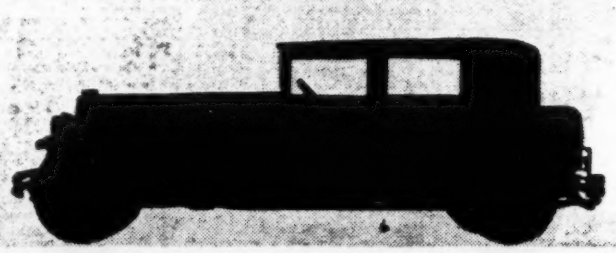
It can't roll back

Count the number of times your car rolls backward, at stops, every day. Even the flattest country has many inclines. The new car has a simple device which, without the use of brakes, prevents back-rolling, even on the steepest hills. Works with the shift. Instantly released. Positive. Thoroughly automatic. An advancement of great appeal to women drivers.

Inquiries

The manufacturer, whose name cannot yet be divulged, has prepared a book outlining dealer advantages and giving detailed information about the new car. Dealers are invited to write—at once—to

Manufacturer New Car, care
AUTOMOTIVE DAILY NEWS
Graybar Building, New York City



Nothing *Finer* Can Be Said of Any Motor Vehicle Than, It is -

POWERED BY LYCOMING

LYCOMING MOTORS

LYCOMING MANUFACTURING CO.
WILLIAMSPORT, PA.

MAJOR SPECIFICATIONS AND MECHANICAL DETAILS

Make and Model	Weight 5-P. Sed'n	Wheel Base	Engine Make	Fan Belt Type	Type	Cylinders	Bore and Stroke	Piston Disp.	Compression Ratio	Tax H. P.	Brake, H. P. and Peak R. P. M.	Pist. Make or Mat	No. Main Br.	Oil Purifier	Fuel Clean'r	Carburetor	Air Cleaner	Make and Model
Auburn 76	3360	120	Lyc	V	L	6	2⅞x4¾	185	5.05	19.8	61@3400	Boh	4	..	..	Scheb ..		Auburn 76
Auburn 88	3770	125	Lyc	V	L	8	2⅞x4¾	247	5.15	26.4	88@3200	Boh	5	Pur	..	Scheb ..		Auburn 88
Auburn 115	4200	130	Lyc	V	L	8	3¼x4½	299	5.25	33.8	115@3300	Boh	5	Pur	..	Scheb ..		Auburn 115
Buick 116	3930	116	Own	V	H	6	3 1/16x4⅝	239	4.3	26.3	74@2800	C I	4	A C	A C	Mar	A C	Buick 116
Buick 121 and 129	4175	121-129	Own	F	H	6	3⅜x5	309	4.3	31.5	90½@2800	C I	4	A C	A C	Mar	A C	Buick 121 and 129
Cadillac	5027	140	Own	V	L	8	3 1/16x4 13/16	341	*5.3	35.1	95@3000	C I	3	A C	Gas	Own	None	Cadillac
Chandler Royal 85	3900	124	Own	V	L	8	3⅜x4¾	340	5.1	36.4	95@3000	C I	5	A C	..	Scheb	..	Chandler Royal 85
Chandler Big Six	3800	124	Own	V	L	6	3¾x5	331.28	5.1	33.7	83@2600	C I	4	A C	..	Scheb	..	Chandler Big 6
Chandler 65	2785	109	Own	V	L	6	3⅛x4¼	195.58	5.1	23.4	55@3000	C I	3	..	..	Til	..	Chandler 65
Chandler Royal 75	3220	118	Own	V	L	8	3 x4½	254.4	5.1	28.8	80@3200	C I	5	A C	..	Til	..	Chandler Royal 75
Chevrolet Six	....	107	Own	V	H	6	3 1/16x3¾	194	....	....	46@2200	C I	4	A C	..	Car	A C	Chevrolet Six
Chrysler 80	4125	136	Own	V	L	6	3⅜x5	309.3	..	31.54	112@3400	Boh	7	Pur	Gas	Strom	Un	Chrysler 80
Chrysler 75	3410	*185½	Own	V	L	6	3¼x5	248.9	*5.0	25.35	75@3200	Boh-Lyn	7	Pur	A C	Ball	Un	Chrysler 75
Chrysler 65	2905	*173½	Own	V	L	6	3⅛x4¼	195.6	5.2	23.43	65@3000	Boh	7	Pur	A C	Strom	Un	Chrysler 65
Davis 99	3230	120	Con	V	L	8	3 x4¾	269	*5.10	28.8	86@3200	Boh	5	..	A C	Strom	Un	Davis 99
De Soto	2580	*169	Own	V	L	6	3 x4⅛	174.9	*5.0	21.6	55@3000	Boh-Lyn	4	Pur	A C	Strom	Un	De Soto
Dodge Standard 6	2721	110	Own	V	L	6	3⅜x3⅞	208	5.181	27.3	58@3000	Boh	7	Pur	..	*Strom	§Un	Dodge Standard 6
Dodge Victory 6	2870	112	Own	V	L	6	3⅜x3⅞	208	5.181	27.3	58@3000	Boh	7	Pur	Yes	*Strom	§Un	Dodge Victory 6
Dodge Senior	3572	120	Own	V	L	6	3⅜x4½	241.45	5.5	27.3	68@2800	Boh	7	Pur	Yes	Strom	§Un	Dodge Senior
Durant Four	2470	107	Con	F	L	4	3⅜x4¼	152	4.76	18.2	36@2400	Boh	3	..	..	Til	..	Durant Four
Durant 60	2560	109	Con	V	L	6	2⅞x4¾	185	4.19	18.2	47@2800	Boh	4	H-W	..	Til	..	Durant 60
Durant 65	2675	110	Con	V	L	6	2⅞x4¾	185	5.44	19.8	47@2800	Boh	4	H-W	Til	Til	Til	Durant 65
Durant 75	3130	119	Con	V	L	6	3⅜x4⅝	248	5.06	27.3	70@2800	Boh	7	H-W	Til	Til	Own	Durant 75
Elcar 6-75	2750	117	Lyc	V	L	6	2⅞x4¾	185	4.9	19.8	60@3000	Boh	4	..	Ste	Scheb	..	Elcar 6-75
Elcar 8-78	3390	123	Lyc	V	L	8	2¾x4¾	226	4.9	24.2	65@3000	C I	5	..	Ste	Scheb	..	Elcar 8-78
Elcar 8-82	3470	123	Lyc	V	L	8	2⅞x4¾	247	4.9	26.5	85@3000	Boh	5	Pur	Ste	Scheb	..	Elcar 8-82
Elcar 8-120	3895	127	Lyc	V	L	8	3¼x4½	299	5.35	33.8	115@3000	Boh	5	Pur	Ste	Scheb	..	Elcar 120
Elcar 8-120	3995	134	Lyc	V	L	8	3¼x4½	299	5.35	33.8	115@3000	Boh	5	Pur	Ste	Scheb	..	Elcar 120
Erskine Six	2600	109	Own	V	L	6	2¾x4½	160	4.87	18.15	43@3000	C I	4	Pur	..	Scheb	..	Erskine Six
Essex Super Six	2660	110½	Own	V	†L	6	2 11/16x4½	153	17½%	17.3	.. ....	Lyn	3	..	..	Stew	..	Essex Super Six
Falcon Knight	2800	109½	Own	S	K	6	2 13/16x3⅞	157.6	5.5	20.07	45@3000	Boh	7	Ski	Til	Til	Til	Falcon-Knight
Ford	2336	103½	Own	V	L	4	3⅞x4¼	200.5	4.22	24.03	40@2200	Al-Lyn	3	..	..	Zeni	..	Ford
Franklin Air. Ltd.	3580	119-128	Own	—	*H	6	3¼x4¾	234	4.57	25.3	48@2500	Lyn	7	Pur	Gas	Strom	Un	Franklin Air. Ltd.
Gardner 120	4140	120	Lyc	V	L	8	2¾x4¾	225.7	*5.05	24.2	76@3200	C I	5	Pur	A C	Scheb	..	Gardner 120
Gardner 125	4290	125	Lyc	V	L	8	2⅞x4¾	246.6	*5.15	26.4	86@3300	Boh	5	Pur	A C	Scheb	AM	Gardner 125
Gardner 130	4530	130	Lyc	V	L	8	3¼x4½	298.6	*5.25	33.8	115@3200	Boh	5	Pur	A C	Scheb	AM	Gardner 130
Graham-Paige 610	2755	111	Own	F	L	6	2⅞x4½	175	5.43	19.8	52@3200	Boh	7	..	A C	John	A C	Graham-Paige 610
Graham-Paige 614	3240	114	Own	F	L	6	3⅛x4½	207	5.45	23.4	71@3200	Boh	7	A C	A C	Scheb	AC	Graham-Paige 614
Graham-Paige 619	3775	119	Own	F	L	6	3½x5	288	5.15	29.4	97@3200	Boh	7	A C	A C	John	A C	Graham-Paige 619
Graham-Paige 629	4035	129	Own	F	L	6	3½x5	288	5.15	29.4	97@3200	Boh	7	A C	A C	John	A C	Graham-Paige 629
Graham-Paige 835	4160	135	Own	F	L	8	3⅜x4½	322	5.55	36.45	120@3200	Boh	5	A C	A C	John	A C	Graham-Paige 835
Hudson Super Six	*3645	118½-127⅜	Own	V	F	6	3½x5	288	19%	29.4	.. ....	Lyn	4	..	..	Mar	..	Hudson Super Six
Hupmobile A	3040	114	Own	V	L	6	3¼x4¼	211.5	4.8	25.4	.. ....	C I	4	Pur	Gas	Strom	Yes	Hupmobile A
Hupmobile M	3455	120	Own	V	L	8	3 x4¾	268.6	5.05	28.8	.. ....	C I	5	Han	Yes	Strom	AM	Hupmobile M
Jordan RE	2925	107	Con	V	L	6	3⅜x4	214.7	19.6%	27.3	61@3000	Boh	7	Pur	Gas	Strom	Own	Jordan RE
Jordan JE	3565	116	Con	V	L	8	3 x4¾	268.6	19.6%	28.9	85@3150	Boh	5	Pur	Gas	Strom	AM	Jordan JE
Kissel 6-73	3260	117	Own	—	L	6	2⅞x4¾	185	5.05	19.8	53@2900	Lyn	4	A C	Gas	Scheb	AC	Kissel 6-73
Kissel 8-95	3597	125	Own	—	L	8	2⅞x4¾	246.7	5.35	26.5	89@3200	Lyn	5	A C	Gas	Scheb	AC	Kissel 8-95
Kissel 8-126	4444	132-139	Own	—	L	8	3¼x4½	298.6	5.35	33.8	126@3300	Boh	5	A C	Gas	Scheb	AC	Kissel 8-126
LaSalle	4536	125-134	Own	V	L	8	3¼x4 13/16	328	*5.3	33.8	86@3000	C I	3	A C	Gas	Own	None	LaSalle
Lincoln 8	5010	136	Own	V	L	8	3½x5	384	4.8	39.2	90@2800	Lyn	5	..	Own	Strom	Un	Lincoln 8
Locomobile 8-70	3570	122	Con	V	L	8	2⅞x4¾	247	5.1	26.4	70@3000	Al	5	..	..	Scheb	AM	Locomobile 8-70
Locomobile 8-80	3990	130	Lyc	V	L	8	3¼x4½	298.6	5.3	33.8	102@3000	Boh	5	..	..	Strom	AM	Locomobile 8-80
Locomobile 48	5610	142	Own	V	T	6	4½x5½	525	4.25	48.6	103@2800	C I	7	..	Own	Ball	Un	Locomobile 48
Locomobile 90	4842	138	Own	V	L	6	3⅞x5¼	372	4.25	36.0	86@2800	C I	7	..	..	Strom	AC	Locomobile 90
Marmon 68	2897	114	Own	V	L	8	2 13/16x4¼	211	5.25	25.3	76@3200	Al	5	..	..	Strom	..	Marmon 68
Marmon 78	3182	120	Own	V	H	8	2 15/16x4	217	5.50	27.6	86@3400	Al	5	Wal	Gas	Strom	..	Marmon 78
Moon 6-68	2710	113	Con	V	L	6	3⅛x4¼	196	..	23.4	50@2600	C I	4	Yes	..	Strom	..	Moon 6-68
Moon 6-62	2550	110	Con	F	L	6	2⅞x4¾	185	4.78	19.8	47@2600	C I	4	Yes	..	Car	Un	Moon 6-62
Moon 6-72	3050	120	Con	V	L	6	3⅜x4	215	4.938	27.3	66@3200	Boh	7	A C	..	Strom	..	Moon 6-72
Moon Aerot'e 8-80	3600	125-137	Con	V	L	8	3 x4¾	269	5.0	28.8	86@3200	Boh	5	A C	Yes	Strom	AM	Moon Aero. 8-80
Nash Stand. 6	2725	112¼	Own	V	L	6	3⅛x4	184	5.0	23.5	50@2800	Boh	7	A C	A C	Car	A C	Nash Stand. 6
Nash Spec. 6	3400	116	Own	V	H	6	3¼x4½	224	5.15	25.39	65@2900	Boh	7	A C	A C	Mar	A C	Nash Spec. 6
Nash Adv. 6	*3700	121-130	Own	V	H	6	3 1/16x5	278.4	5.1	28.36	78@2900	Boh	7	A C	A C	Mar	A C	Nash Adv. 6
Oakland All-Am.	2980	117	Own	V	L	6	3⅜x4¼	228	4.9	25.3	68@3000	S St.	4	A C	A C	Mar	A C	Oakland All-Amer.
Oldsmobile	2870	113½	Own	V	L	6	3 5/16x4⅛	197.5	5.1	24.4	55@2700	C I	4	A C	A C	Scheb	AC	Oldsmobile
Packard 626-633	*4000	133	Own	V	L	8	3 3/16x5	320	..	32.5	90@3200	Boh	7	Pur	..	Own	..	Packard 626-633
Packard 640-645	4655	140	Own	V	L	8	3½x5	385	..	39.2	106@3200	Boh	9	Pur	..	Own	..	Packard 640-645
Peerless 6-81	3290	116	Con	—	L	6	3⅜x4⅝	248	5.06	27.3	63@2600	Boh	7	Pur	A C	Strom	AC	Peerless 6-80
Peerless 6-91	3200	120	Own	—	L	6	3½x5	289	..	29.4	70@2500	Boh	7	Pur	A C	Strom	AC	Peerless 6-91
Pierce-Arrow 36	4800	138	Own	V	T	6	4 x5½	415	4.35	38.4	100@2600	Al	7	Own	Gas	Own	..	Pierce-Arrow 36
Pierce-Arrow 81	3600	130	Own	V	L	6	3½x5	289	4.65	29.4	75@3000	Lyn	7	Own	Gas	Strom	..	Pierce-Arrow 81
Plymouth	2435	*169	Own	—	L	4	3⅜x4⅛	170.3	*4.6	21.03	45@2800	Lyn	3	..	..	Car	Un	Plymouth
Pontiac 6-28	2595	110	Own	V	L	6	3¼x3¾	186	4.9	25.3	43@2600	S St.	3	..	..	Mar	..	Pontiac 6-28
Reo Wolverine	3015	115	Con	V	L	6	3⅜x4	214.7	5.5	27.3	60@2800	Boh	7	..	..	Scheb	..	Reo Wolverine
Reo Flying Cloud	3645	121	Own	V	L	6	3¾x5	268.3	5.3	27.3	80@3200	Lyn	7	Han	..	Scheb	AM	Reo Flying Cloud
Stearns-K. 6-80	....	126-134	Own	V	K	6	3⅜x4¾	255	5.0	27.3	70@3200	..	7	Yes	Til	Til	..	Stearns-Kn't 6-80
Stearns-K. F6-85	4572	137¼	Own	V	K	6	3½x5	288	5.0	29.4	82@2600	C I	7	Til	Til	Til	..	Stearns-Kt. F6-85
Stearns-K. G8-85	4934	137¼	Own	V	K	8	3½x5	385	5.0	39.2	112@2800	C I	9	Til	Til	Til	..	Stearns-Kt. G8-85
St'ns-K. de l.H8-90	5100	137	Own	V	K	8	3½x5	385	5.0	39.2	112@2800	C I de l	9	Til	A C	Til	..	St'ns-Kt. de l.H8-90
St'ns-K. de l. J8-90	*5265	145	Own	V	K	8	3½x5	385	5.0	39.2	112@2800	C I de l	9	Til	A C	Til	..	St'ns-Kt. de l.J8-90
Studebaker Dicta'r	3280	113	Own	—	L	6	3¾x4½	242	*4.41	27.3	67@2800	C I	4	Pur	A C	Strom	..	Studebaker Dict.
Studebaker Com'r	3670	121	Own	V	L	6	3⅞x5	354	*4.5	36.04	86@2800	C I	4	Pur	A C	Ball	..	Studebaker Com.
Studebaker Pres't	3760	121-131	Own	V	L	8	3½x4⅜	337	*5.0	39.2	*109@3000	Boh	5	Pur	A C	Scheb	..	Studebaker Pres't
Stutz BB	4977	131-145	Own	—	H	8	3¼x4½	299	*5.1	33.8	120@3600	††C I	9	Wal	AC,IM	Zeni	A C	Stutz BB
Velie 68	3315	118	Own	V	H	6	3 3/16x3¼	204	4.5	24.4	56@2900	C I	4	..	..	Strom	..	Velie 68
Velie 78	3525	118	Own	V	H	6	3 3/16x4⅝	221	4.53	24.4	60@2900	C I	4	..	..	Strom	..	Velie 78
Velie 90	3746	125	Lyc	V	H	8	3¼x4½	284	..	33.8	115@3400	Boh	5	..	..	Strom	..	Velie 90
Whippet Four	2210	100¼	Own	V	L	4	3⅛x4⅜	134	5.56	15.6	32@2800	C I	3	..	..	Til	..	Whippet Four
Whippet Six	2484	109½	Own	V	L	6	3⅛x3⅞	178.3	5.13	23.4	43@2800	Boh	7	..	Til	Til	Til	Whippet Six
Willys-Kn't St'd 6	2858	109½	Own	V	K	6	2 13/16x3⅞	158	5.13	20.7	45@3000	Boh	7	Ski	Til	Til	Til	Willys-Kt. Stand. 6
Willys-Kn't Gt. 6	4003	126	Own	V	K	6	3⅜x4¾	255	5.56	27.3	70@3200	Boh	7	Ski	Til	Til	Til	Willys-Kt. Great 6
Willys-Kn't Spec. 6	3187	113¼	Own	V	K	6	2 15/16x4⅜	178	5.0	20.7	53@3000	Boh	7	Ski	Til	Til	Til	Willys-Kt. Spec. 6

KEY TO ABBREVIATIONS

CHASSIS WEIGHT

All weights are for 5-pass. sedans unless otherwise indicated, and given in pounds.

***BUICK LINE**—Weights shown on 5-pass. sedans are for Models 27 and 47. Other 5-pass. sedans include Models 41—4130; 51—4230; 57—4260, and 58—4145.

***FRANKLIN**—3,230 on 119-inch chassis.

***HUDSON SUPER SIX**—3,750 on 127⅝-inch chassis.

***KISSEL**—Weight of brougham sedan on 124-inch wheel base; 5-passenger brougham sedan on 131-inch wheel base weighs 3,596.

***PACKARD 526,533**—Five-passenger club sedan on 133-inch wheel base weighs 4,989; 645—5,155.

***PEERLESS 8-69**—Five-passenger custom sedan on 133½-inch wheel base, 3,875.

***STEARNS-KNIGHT** — Seven-passenger sedan.

*Weight of Willys-Knight Great 6 7-passenger sedan, 135-inch wheel base, 4,112.

WHEEL BASE

All wheel base lengths are standard, unless otherwise noted, and are given in inches.

***NASH LINE**—130-inch wheel base weighs 3,940 pounds.

*Over all length on De Soto.

*On Willys-Knight 135-inch wheel base for 7 pass. sedan, limo., touring and 5-pass. coupe.

ENGINE MAKE

LYC—Lycoming Motors Corp. **CON**—Continental Motors Corp.

FAN BELT TYPE

V—V-Belt. **F**—Flat. **R**—Round.

ENGINE TYPE

L—L-head. **H**—Valve in head. **K**—Knight sleeve valve. *Air cooled. †Thermos-Syphon. Where reference marks are not used engines have water pump circulation.

COMPRESSION RATIOS

*Other compression ratios available.

PISTON MATERIALS

BOH—Nelson Bohnalite pistons. **C. I.**—Cast Iron. **LYN**—Lynite. **BOH-LYN**—Both Bohnalite and Lynite pistons are used. **S. ST.**—Semisteel. **AL**—Aluminum. ††Stutz. **R. B.**—Bohnalite pistons $85 extra on all except Blackhawk models.

OIL PURIFIERS

PUR—Purolator. **AC**—AC Spark Plug. **H W**—Rich Tool Company. **SKI**—Skinner. **HAN**—Handy. **KIN**—Kingstons. **WAL**—Wall. **TIL**—Tillotson.

FUEL CLEANERS

AC—AC Spark Plug Company. **IMP**—Imperial. **RAY**—Rayfield. **GAS**—Gascolator. **IM**—Ireland & Matthews. **STE**—Stewart-Warner. **TIL**—Tillotson. **STROM**—Stromberg. **AC, IM**—AC Spark Plug or Ireland & Mathews optional.

CARBURETOR

SCHEB—Schebler. **MAR**—Marvel. **CAR**—Carter. **STROM**—Stromberg. **BALL**—Ball & Ball. ***JOHN**—Johnson. **STEW**—Stewart. **TIL**—Tillotson. **ZENI**—Zenith. **SWAN**—Swan. **RAY**—Rayfield. *Dodge Victory Six—Stewart carburetors optional. *Dodge Standard Six—Stewart carburetors optional.

AIR CLEANERS

AC—AC Spark Plug Company. **UN**—United. **TIL**—Tillotson. **AM**—Air Maze. **HAN**—Handy. §Dodge Standard 6, Victory 6, or Senior 6. United or Handy, optional.

IGNITION SYSTEM

*On Nash line the two larger series have Auto-Lite twin ignition.

New Dealers Appointed

VERMONT

Graham-Paige—E. J. Roberts & Son, Jacksonville; Guy D. Bushey, Monkton.

VIRGINIA

Willys-Overland—Hassell Motor Company, Stony Creek.

WASHINGTON

Willys-Overland — Porter Motor Company, Snohomish; Chehalis Knight Motor Company, Chehalis.

Graham-Paige—E. L. Higgins Motor Company, Tacoma.

WISCONSIN

Willys-Overland—Tramburg Motor Sales, Fall River; Elmer Loppnow, Ashippum; Pugh Brothers, Black River; T. C. Van Tassel, Blair; Earl Westenhaver, La Valle; Robertstein & Maske, Reedsburg; McDonald Auto Sales, Kilbourn; O. C. Gullard, Osseo.

Graham-Paige—Hoke Motor Company, Lone Rock; H. J. Naedler, Neillsville; Main Highway Garage, Polonia; Lester Brekke, Rosholt.

ARMORY GARAGE OPENS WITH DURANT DISPLAY

New Brunswick, N. J., Nov. 27.—The Armory Garage, dealer in Durant cars, with G. A. Kalteissen as president, recently staged its formal opening in its new sales and service station at 302-308 Handy St. with vaudeville acts as a feature. A complete line of fours and sixes were on display, and automobile dealers, even from surrounding towns, were in attendance.

J. R. JACK NOW WITH G. M. ACCEPTANCE CORP.

Cedar Rapids, Ia., Nov. 27.—J. R. Jack, who for the last three years has been connected with the Penick and Ford Sales Company, recently resigned to accept a position in the credit department of the General Motors Acceptance Corporation at Wichita, Kan.

OF PRESENT AMERICAN PASSENGER CAR MODELS

Make and Model	Ignition System	Gen. and Starter	Clutch	Gear Set	Universals	Rear Axle	Ratio	Brakes	Steering Gear	Rear Springs	Chassis Lubric.	Tires	Make and Model
Auburn 76	Del-R	*Del-R	Long	War-G	Un P	Col ½	4.9	H	Ross	Semi 56¾	Bijur	18x5.50	Auburn 76
Auburn 88	Del-R	*Del-R	Long	War-G	Un P	Col ½	4.7	H	Ross	Semi 56¾	Bijur	18x6.00	Auburn 88
Auburn 115	Del-R	*Del-R	Long	Detr	Un P	Col ½	4.45	H	Ross	Semi 56¾	Bijur	18x6.50	Auburn 115
Buick 116	Del-R	Del-R	Own	Own	Own	Own ¾	4.9	M	Jac	Cant 48	Al-Z	30x5.50	Buick 116
Buick 121 and 129	Del-R	Del-R	Own	Own	Own	Own-F	4.7	M	Jac	Cant 48	Al-Z	32x6.50	Buick 121 and 129
Cadillac	Del-R	Del-R	Own	Own	Spicer	Own-F	*4.75	M	Jac	Semi 60	Alem	7.00—20	Cadillac
Chandler Royal 85	Del-R	Del-R	Borg	Own	Fab-Own	Own ¾	4.45	Wes V	Ross	Semi 59¼	Bowen	32x6.00	Chandler Royal 85
Chandler Big Six	Del-R	Del-R	Borg	Own	Fab-Own	Own ¾	4.1	Wes V	Ross	Semi 59¼	Bowen	32x6.00	Chandler Big Six
Chandler 65	Aut-L	Aut-L	Borg	Own	Spic	Own ½	4.9	M	Ross	Semi 51	Zerk	29x5.00	Chandler 65
Chandler Royal 75	Aut-L	Aut-L	Borg	Own	Spic	Own ½	4.9	Wes V	Ross	Semi 53¾	Bowen	29x5.00	Chandler Royal 75
Chevrolet Six	Del-R	*Del-R	Own	Own	Own	Own ½	...	M	Own	Semi 54	Alem	4.50—20	Chevrolet Six
Chrysler 80	Del-R	*Del-R	Long	Own	Un P	Own ½	†4.08	H	Ross	Semi 58 3/16	Al-Z	30x6.75	Chrysler 80
Chrysler 75	Del-R	*Del-R	Long	Own	Un P	Own ½	†4.30	H	Gem	Semi 57¾	Al-Z	18x6.00	Chrysler 75
Chrysler 65	Del-R	*Del-R	Borg	Own	Un P	Own ½	†4.60	H	War	Semi 55⅜	Al-Z	18x5.50	Chrysler 65
Davis 99	Del-R	*Del-R	Borg	War-G	Clev	Col ½	49–11	H	Ross	Semi 50¼	Alem	30x6.00	Davis 99
De Soto	Del-R	*Del-R	Borg	Own	Un P	Own ½	4.7	H	War	Semi 53½	Al-Z	500/9	De Soto
Dodge Stand. 6	N. E.	*N. E.	Borg	Own	M M	Own ½	4.45	M	Gem	Semi 54	Al-Z	29x5.00	Dodge Stand. 6
Dodge Victory 6	N. E.	*N. E.	Borg	Own	M M	Own ½	4.45	H	Gem	Semi 54	Al-Z	29x5.00	Dodge Victory Six
Dodge Senior	N. E.	*N. E.	Borg	Own	M M	Own ½	4.45	H	Gem	Semi 55	Al-Z	31x6.00	Dodge Senior
Durant Four	Aut-L	*Aut-L	Own	Own	Spicer	Own ½	4.44	Bendix	Own	Semi 54	Alem	28x4.75	Durant Four
Durant 60	Aut-L	*Aut-L	Own	Own	Spicer	Own ½	4.44	Bendix	Own	Semi 54	Alem	29x5.00	Durant 60
Durant 65	Aut-L	*Aut-L	Own	Own	Spicer	Own ½	4.44	Bendix	Own	Semi 54	Alem	29x5.00	Durant 65
Durant 75	Aut-L	*Aut-L	Own	Own	Spicer	Own ½	3.72	Bendix	Own	Semi 54	Alem	29x5.50	Durant 75
Elcar 6-75	Del-R	*Del-R	Long	War-G	Spicer	Sal ½	4.9	H	Ross	Semi 51¼	Alem	29x5.00	Elcar 6-75
Elcar 8-78	Del-R	*Del-R	Long	War-G	Spicer	Sal ½	4.9	H	Ross	Semi 56⅛	Oil c	28x5.25	Elcar 8-78
Elcar 8-82	Del-R	*Del-R	Long	War-G	Spicer	Sal ½	4.9	H	Ross	Semi 56⅛	Oil c	30x6.00	Elcar 8-82
Elcar 8-120	Del-R	*Del-R	Long	War-G	Spicer	Sal ½	4.82	H	Ross	Semi 57½	Oil c	30x6.20	Elcar 8-120
Elcar 8-120	Del-R	*Del-R	Long	War-G	Spicer	Sal ½	4.82	H	Ross	Semi 57½	Oil c	30x6.20	Elcar 8-120
Erskine Six	Del-R	*Del-R	Long	War-G	Spicer	Timk ½	4.78	Bendix	Gem	Semi 52	Al-Z	29x4.75	Erskine Six
Essex Super Six	Aut-L	*Aut-L	Own	Own	Spicer	Own ½	5.6	Bendix	Gem	Semi 54⅞	Oil c	30x5.00	Essex Super Six
Falcon-Knight	Aut-L	*Aut-L	Rock	Own	M.M	Own ..	5.11	Bendix	Own	Semi 51¾	Alem	29x5.00	Falcon-Knight
Ford	Own	Own	Own	Own	Own	Own ¾	3.7	M	Own	Tr Semi	Al-Z	30x4.50	Ford
Franklin Airman Ltd.	N. E.	*Dyn	Brn-L	Own	Spicer	Own ½	*4.73	H	Own	El 38	Al-Z	*32x6.00	Franklin Air. Ltd.
Gardner 120	Del-R	*Del-R	Borg	War-G	Clev	Col ½	4.9	H	Ross	Semi 54	Alem	29x5.50	Gardner 120
Gardner 125	Del-R	*Del-R	Borg	War-G	Clev	Col ½	4.9	H	Ross	Semi 54	Alem	31x6.00	Gardner 125
Gardner 130	Del-R	*Del-R	Borg	War-G	Spicer	Col ½	4.45	H	Ross	Semi 57	Alem	30x6.50	Gardner 130
Graham-Paige 610	N. E.	*N. E.	Long	*War-G	Det	Sal ½	4.7	H	Gem	Semi 54	Al-Z	29x5.00	Graham-Paige 610
Graham-Paige 614	N. E.	*N. E.	Long	*War-G	Det	Sal ½	3.9	H	Ross	Semi 58	Al-Z	29x5.50	Graham-Paige 614
Graham-Paige 619	N. E.	*N. E.	Long	*War-G	Det	Cla ½	3.6	H	Ross	Semi 58	Al-Z	31x6.00	Graham-Paige 619
Graham-Paige 629	N. E.	*N. E.	Long	*War-G	Det	Cla ½	3.6	H	Ross	Semi 58	Al-Z	31x6.50	Graham-Paige 629
Graham-Paige 835	N. E.	*N. E.	Long	*War-G	Det	Cla ½	3.6	H	Ross	Semi 58	Al-Z	31x6.50	Graham-Paige 835
Hudson Super Six	Aut-L	Aut-L	Own	Own	Spic	Own ½	†4.45	Bendix	Gem	Semi 57 1/8	Oil c	31x6.00	Hudson Super Six
Hupmobile A	Aut-L	Aut-L	Borg	Detr	M M	Own ½	4.73	S	Ross	Semi 54	Alem	29x5.50	Hupmobile A
Hupmobile M	Aut-L	*Aut-L	Long	Detr	Un P	Own ½	4.36	S	Ross	Semi 57¼	Alem	31x6.00	Hupmobile M
Jordan RE	Aut-L	Aut-L	Long	War-G	Spic	Col ½	4.60	H	Gem	Semi 55¼	Alem	28x5.25	Jordan RE
Jordan JE	Aut-L	Aut-L	Long	War-G	M M	Timk ½	4.05	H	Gem	Semi 55¾	Alem	30x6.00	Jordan JE
Kissel 6-73	Del-R	Del-R	Borg	War-G	M M	Col ½	4.63	Hyd	Ross	Semi 57	Alem	30x6.00	Kissel 6-73
Kissel 8-95	Del-R	Del-R	Borg	War-G	M M	Col ½	4.63	Hyd	Ross	Semi 57	Alem	30x6.00	Kissel 8-95
Kissell 8-126	Del-R	Del-R	Borg	Own	Spicer	Tim ½	4.89	Hyd	Ross	Semi 60	Alem	30x6.75	Kissel 8-126
LaSalle	Del-R	Del-R	Own	Own	Spicer	Own ¾	*4.54	M	Jac	Semi 58	Alem	6.50—19	LaSalle
Lincoln 8	Del-R	Del-R	Own	Own	Spic	Timk-F	4.58	Bendix	Own	Semi 60	Alem	32x6.75	Lincoln 8
Locomobile 8-70	Del-R	*Del-R	Borg	Detr	Spic	Ad ½	4.77	Bendix	Ross	Semi 58	Al-Z	31x6.00	Locomobile 8-70
Locomobile 8-80	De J	*De J	Borg	War-G	Spic	Sal ½	4.81	Bendix	Ross	Semi 58	Al-Z	32x6.00	Locomobile 8-80
Locomobile 48	Del-R	*West	Own	Own	Spic	Own-F	3.50	Bendix	Ross	¾ El 50	Al-Z	33x6.75	Locomobile 48
Locomobile 90	De J	*De J	Own	Own	Own	Eat ½	4.50	Bendix	Ross	Semi 60	Al-Z	33x6.75	Locomobile 90
Marmon 68	Del-R	*Del-R	Rock	War-G	Spic	Sal ½	4.9	Bendix	Ross	Semi 56⅜	Al-Z	29x5.50	Marmon 68
Marmon 78	Del-R	Del-R	Rock	Mun-Prod	Spic	Sal ½	4.9	Bendix	Ross	Semi 56 5/16	Al-Z	31x6.00	Marmon 78
Moon 6-68	Del-R	*Del-R	Borg	Brn-L	Clev	Col ½	4.90	H	Ross	Semi 54	Alem	30x5.25	Moon 6-68
Moon 6-62	Del-R	*Del-R	Borg	War-G	Spic	Col ½	4.88	H	Ross	Semi 54	Alem	29x4.75	Moon 6-62
Moon 6-72	Del-R	*Del-R	Borg	War-G	Spic	Col ½	4.9	H	Ross	Semi 54	Olio M	29x5.50	Moon 6-72
Moon 8-75	Del-R	*Del-R	Borg	War-G	Spic	Col ½	5.10	H	Ross	Semi 54	Alem	32x6.00	Moon 8-75
Moon Aero 8-80	Del-R	*Del-R	Borg	War-G	M M	Col ½	4.63	H	Ross	Semi 54	Olio M	31x6.20	Moon Aero. 8-80
Nash Stand. 6	Aut-L	Aut-L	Borg	Own	Fab	Own ½	4.77	M	Ross	Semi 50⅞	Alem	30x5	Nash Stand. 6
Nash Spec. 6	*Aut-L	Aut-L	Borg	Own	Met-Fab	Own ½	4.88	M	*Gem	Semi 54	Alem	29x5.50	Nash Spec. 6
Nash Adv. 6	*Aut-L	Aut-L	Borg	Own	Met-Fab	Own ½	4.5	M	Gem	Semi 56½	Bijur	32x6.00	Nash Adv. 6
Oakland All Am.	Del-R	*Del-R	Own	Own	Own	Own ½	4.42	M	Jac	Semi 54½	Al-Z	29x5.50	Oakland All-Amer.
Oldsmobile	Del-R	Del-R	Borg	Mun	*Fab-Met	Own ½	4.41	††Bendix	Jac	Semi 54½	Alem	28x5.25	Oldsmobile
Packard 526-533	Del-R	*Dyn	Own	Own	*Fab	Own ½	†4.60	Bendix	Own	Semi 56	Bijur	*32x6.00	Packard 526-533
Packard 640-645	Del-R	*Dyn	Own	Own	M M	Own ½	4.38	Bendix	Own	Semi 56	Bijur	32x6.75	Packard 640-645
Peerless 6-80	Aut-L	*Aut-L	Borg	Detr	Spic	Col ½	4.44	H	Ross	Semi 54	Alem	31x6.00	Peerless 6-80
Peerless 6-91	Aut-L	*Aut-L	Borg	Detr	Spic	Col ½	4.25	H	Ross	Semi 54	Alem	31x6.00	Peerless 6-91
Pierce-Arrow 36	Del-R	Del-R	Own	Own	Spic	Own ½	4.29	***M	Gem	Semi 61¼	Al-Z	33x6.75	Pierce-Arrow 36
Pierce-Arrow 81	Del-R	Del-R	Borg	Own	Spic	Timk ½	4.45	M	Gem	Semi 56½	Bowen	32x6.00	Pierce-Arrow 81
Plymouth	Del-R	*Del-R	Rock	Own	Own	Own ½	4.3	H	War	Semi 53½	Al-Z	20x4.75	Plymouth
Pontiac 6-28	Del-R	*Del-R	Own	Own	M M	Own ½	4.18	M	Jac	Semi 54	Al-Z	29x5.00	Pontiac 6-28
Reo Wolverine	N. E.	*N. E.	Borg	War-G	Spic	Sal ½	4.25	H	Ross	Semi 55	Al-Z	30x6.00	Reo Wolverine
Reo Flying Cloud	Del-R	Del-R	Long	Own	Detr	Own ½	4.42	H	Ross	Semi 55	Al-Z	30x6.20	Reo Flying Cloud
Stearns-K. Six	Aut-L	*Aut-L	Borg	Own	M M	.....	4.7	Bendix	....	Semi 63⅛	Alem	§32x6.00	Stearns-K. Six
Stearns-K. F6-85	De J	*De J	Borg	Own	M M	Timk ½	5.00	Bendix	Ross	Semi 62	Alem	32x6.75	Stearns-.K F6-85
Stearns-K. G8-85	De J	*De J	Long	Own	M M	Timk ½	4.50	Bendix	Gem	Semi 62	Alem	32x6.75	Stearns-K. G8-85
St'ns-K. de l. H8-90	De J	De J	Long	Own	M M	Timk ½	4.50	Bendix	Gem	Semi 62	Alem	32x6.75	St'rns-K. de l. H8-90
St'ns-K. de l. J8-90	De J	De J	Long	Own	M M	Timk ½	4.50	Bendix	Gem	Semi 62	Alem	32x6.75	St'rns-K. de l. J8-90
Studebaker Dict.	Del-R	*Del-R	Long	Own	Spic	Own ½	4.3	Bendix	Ross	Semi 50⅝	Al-Z	30x5.50	Studebaker Dict.
Studebaker Com.	Del-R	Del-R	Long	Own	Spic	Own ½	3.31	Bendix	Ross	Semi 50⅝	Al-Z	30x5.50	Studebaker Com.
Studebaker Pres.	Del-R	Del-R	Long	Own	Spic	Own ½	4.3	Bendix	Ross	Semi 60	Al-Z	31x6.20	Studebaker Pres.
Stutz BB	Del-R	Del-R	Borg	Detr	M M	Timk ½	†4.75	H	Ross	Semi 62	Myers	*32x6.20	Stutz BB
Velie 68	Aut-L	*Aut-L	Borg	War-G	Clev	Own ½	4.9	H	Ross	Semi 55	Al-Z	30x5.25	Velie 68
Velie 78	Del-R	*Del-R	Borg	War-G	Clev	Own ½	4.9	H	Ross	Semi 55	Al-Z	32x6.00	Velie 78
Velie 90	Del-R	*Del-R	Borg	War-G	Clev	Own ½	4.6	H	Ross	Semi 55	Al-Z	32x6.20	Velie 90
Whippet Four	Aut-L	*Aut-L	Borg	Own	M M	Own ½	4.89	*Bendix	Own	Semi 49	Alem	28x4.75	Whippet Four
Whippet Six	Aut-L	*Aut-L	Rock	Own	M M	Own ½	4.89	*Bendix	Own	Semi 51¾	Alem	28x4.75	Whippet Six
Willys-Kn't St. 6	Aut-L	*Aut-L	Rock	Own	M M	Own ½	5.11	*Bendix	Own	Semi 51¾	Alem	29x5.00	Willys-Kn't St. 6
Willys-Kn't Gt. 6	Aut-L	*Aut-L	Borg	Own	M M	Own ¾	*4.77	M	Own	Semi 63⅛	Alem	*32x6.00	Willys-Kn't Gr't 6
Willys-Kn't Spec. 6	Aut-L	*Aut-L	Rock	Own	M M	Own ½	5.11	M	Own	Semi 55¼	Alem	31x6.00	Willys-Kn't Spec. 6

DEL-R—Delco-Remy. **N. E.**—North East. **AUT-L**—Auto-Lite. **DE J**—De John.

GENERATOR AND STARTER

*This sign appears before each model in this column in which a Bendix starter drive is used.

DEL-R—Delco-Remy. **N. E.**—North East. **AUT-L**—Auto-Lite. **DE J**—De John. **DYN**—Owen Dyneto. **WEST**—Westinghouse.

CLUTCHES

LONG—Long. **BORG**—Borg & Beck. **GUAY**—Guay & Haigh. **ROCK**—Rockford. **BRN-L**—Brown-Lipe.

GEAR SET

These transmissions are three-speed standard, unless noted. **WAR-G**—Warner Gear. **DETR**—Detroit. **BRN-L**—Brown-Lipe. **MUN**—Muncie gear.

*On Graham-Paige line 4 speed forward.

UNIVERSAL

UN P—Universal Products. **SPICER**—Spicer Mfg. **FAB**—Fabric. **CLEV**—Cleveland. **MM**—Mechanics Machine. **DET**—Detroit. **THER**—Thermoid. *Oldsmobile uses Goodrich fabric front and Universal Products metal rear.

REAR AXLES

½—Indicates semi-floating. ¾—Indicates three-quarters floating. F—Indicates full floating. **COL**—Columbus. **SAL**—Salisbury. **TIM**—Timken. **AD**—Adams. **CLA**—Clark Equipment. **EAT**—Eaton.

GEAR RATIOS

Gear ratios given are standard, unless otherwise indicated.

†Other gear ratios available. *Franklin Airman also 5.1.

*Willys-Knight Great Six also 5.11 for 135 inch wheel base.

*Cadillac—other ratios of 5.08 and 4.39 available.

*La Salle—other ratios of 4.91 and 4.09 available.

BRAKES

H—Hydraulic. **M**—Mechanical. **BENDIX**—Bendix Brake. **WEST-V**—Westinghouse Vacuum. **S**—Steeldraulic. **1**—On Chrysler 52 optional at extra cost. ***—On Pierce-Arrow 36, plus B K Boosters. *On Whippet models Bendix front—own rear. ††On Oldsmobile, Bendix front—own rear.

*Bendix front, own rear.

STEERING GEAR

ROSS—Ross Gear and Tool. **JAC**—Jacox. **GEM**—Gemmer Mfg. *Nash Special 6 models have both Gemmer and Ross.

SPRINGS

This column lists length and type of unt. **CANT**—Cantilever. **SEMI**—Semi-elliptic. **TR**—Transverse. **EL**—Full elliptic.

CHASSIS LUBRICATION

ALEM—Alemite. **AL-Z**—Alemite Zerk. **BASS A**—Bassick Automatic. **BIJUR**—Bijur. **BOWEN**—Bowen. **OIL c**—Oil cups. **OILOM**—Oilometer system.

TIRES

*On Franklin Airman, 31x6.50 on 128-inch chassis.

*On Packard 533, 32¼x6.75.

*On Reo Wolverine, 30x6.00 on sedan.

*On Stearns-Knight Six, 32x6.20 on 134-inch chassis.

*On Stutz BB, 32x6.75 on 145-in. chassis. Wire wheels sp. equipment using tires—Model 88, 18x6.50; Model 115, 18x7.00.

*On Willys-Knight 32x6.20 on 135-inch wheel base.

Notice

Please see the fifth column to the left of this advertisement giving steering gear information. Notice the outstanding Ross predominance. The actual figures are:

ROSS
50

Nearest Competitor
17

Second Competitor
7

Third Competitor
3

Build Their Own
16

ROSS Cam and Lever steering gears predominate not only in passenger car field, but in truck and bus fields as well.

ROSS GEAR & TOOL CO.,
Lafayette, Indiana.

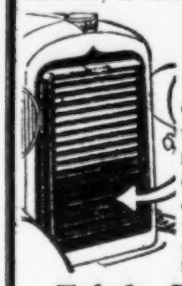
ROSS
Cam and Lever Steering Gears

EASIER STEERING
LESS ROAD SHOCK

Sell

Visible Control
With
Moto-Gard
The Triple Service Shutter

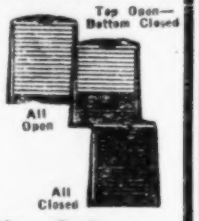
On the dash is Moto-Gard's dial-ed control. A turn of the thumb screw protects the motor! The one dependable shutter you *can't* forget to operate. This factor of safety makes Moto-Gard easy to sell.



EXTRA PROTECTION

Moto-Gard's construction provides the *extra* protection needed at the bottom of your radiator, where water cools first and freezing starts.

Triple Service



Moto-Gard permits regulation of the water temperature necessary for efficient motor operation.

And Six Other Advantages

There is a Moto-Gard distributor near you. Write us; we will have him call on you and give you complete information.

The Brewer-Titchener Corp.
701 Port Watson St., Cortland, N. Y.

Truck Sales Show 41% Gain in 20 States in October

(Continued from Page 1)

Ford 3, G. M. C. 8, Graham 15, International 12, Reo 5, Studebaker 1, White 2, miscellaneous 2; total, 147. Reports from this state last year showed that 81 trucks registered; the gain is 66 trucks, or 81 per cent.

OREGON—Chevrolet 95, Federal 10, Ford 116, G. M. C. 17, Graham 56, International 17, Mack 6, Reo 13, Republic 1, Studebaker 2, Whippet 1, White 5, Willys-Knight 1, miscellaneous 25; total, 365. In October, 1927, 228 trucks were registered, showing a gain of 137 trucks, or 60 per cent.

SOUTH DAKOTA—Chevrolet 113, Ford 66, G. M. C. 7, Graham 20, Indiana 1, International 92, Reo 10, Republic 1, Studebaker 1, Whippet 1, White 1, Willys-Knight 1, miscellaneous 2; total 316. In October, 1927, 280 truck were registered; the gain is 36 trucks, or 13 per cent.

WASHINGTON — Chevrolet 132, Federal 4, Ford 108, G. M. C. 17, Graham 41, International 29, Pierce-Arrow 1, Relay 1, Reo 36, Republic 1, Whippet 1, White 8, Willys-Knight 2, miscellaneous 25; total, 406. In October, 1927, 314 trucks were registered; the gain is 92 trucks, or 30 per cent.

MINNESOTA—Chevrolet 370, Federal 4, Ford 319, G. M. C. 26, Graham 66, International 136, Mack 10, Relay 1, Reo 46, Studebaker 2, Whippet 8, White 9, Willys-Knight 1, miscellaneous 9; total, 1,007. In October, 1927, 676 trucks were registered; the gain is 331 trucks, or 48 per cent.

IDAHO—Chevrolet 50, Ford 29, G. M. C. 4, Graham 21, International 15, Reo 1, Whippet 1, White 1, miscellaneous 4; total, 126. In October, 1927, 123 trucks were registered; the gain is 3 trucks, or 2 per cent.

BENDIX MEETING OFF

Chicago, Nov. 27.—Bendix Corporation directors' meeting has been postponed indefinitely.

Passenger Car Equipment and Accessories

Name and Model	Speed-ometer	Clock	Fuel Gauge	Lock	Spark Plugs	Battery	Heat Indicator	Cig. Lighter	Smoking Set	Vanity Set	Make of Body Finish Used	Stop Light	Parking Light	Windshield Wings	Heater	Front Bumper	Rear Bumper	Wire Wheels'	Shock Absorber
Auburn 115	Ste	—	K-S	Ele	Cha	U S L	Moto-M	Cas	G R	—	Mur	Ind	In	*Troy	*Gla	Balc	Balc	Day	cLov
Auburn 88	Ste	—	K-S	Ele	Cha	U S L	Moto-M	Cas	G R	—	Mur	Ind	In	*Troy	*Gla	Balc	Balc	Day	cLov
Auburn 76	Ste	—	K-S	Ele	Cha	U S L	Moto-M	—	—	—	Mur	Ind	In	*Troy	*Gla	Balc	Balc	Day	cLov
Buick 115	A C	—	Gro	Her	A C	Ex	A C	Cuno	Fis	Fis	Duco	D-R	D-R	—	—	—	—	Buffalo	cLov
Buick 120	A C	—	Gro	Her	A C	Ex	A C	Cuno	Fis	Fis	Duco	D-R	D-R	—	—	—	—	Buffalo	cLov
Buick 128	A C	—	Gro	Her	A C	Ex	A C	Cuno	Fis	Fis	Duco	D-R	D-R	—	—	—	—	Buffalo	cLov
Cadillac	A C	Jag	Nag	D-R	A C	Ex	A C	Cas	Tern	Tern	Duco	Own	Hal	Del	*Kel	USE	USE	Buffalo	cLov
Chandler 65	Ste	—	Moto-M	Ele	A C	Pre	Moto-M	—	†GR	—	Ditz	Cor	Cor	—	—	Ster	Ster	K-H	*Lov
Chandler Big 6	Ste	—	Moto-M	Ele	A C	Pre	Moto-M	—	GR	GR	Ditz	Cor	Cor	—	Per	Ster	Ster	K-H	*Lov
Chand. Royal 85	Ste	—	Moto-M	Ele	A C	Pre	Moto-M	—	GR	GR	Ditz	Cor	Cor	—	Per	Ster	Ster	K-H	*Lov
Chand. Royal 75	Ste	—	Moto-M	Ele	A C	Pre	Moto-M	—	GR	GR	Ditz	Cor	Cor	—	Per	Ster	Ster	K-H	Lov
Chevrolet AA	A C	—	Roc	*Ign	A C	USL, Ex	—	—	Fis	—	Duco	D-R	—	—	Own	Own	Own	—	—
Chrysler 75	A C	—	Moto-M	Ele	Cha	Wil	Moto-M	—	—	—	DucoVal	Hal†	—	Kok	—	Ste	Ste	—	Lov
Chrysler 65	N E	Sha	Moto-M	Sha	A C	Wil	—	—	—	—	DucoVal	Hal	—	Kok	—	Ste	Ste	—	Lov
Chrysler 80	A C	Ster	Moto-M	Ele	Cha	Wil	Moto-M	Cas	—	Cas	DucoVal	Hal	—	Kok	Bov	Ste	Ste	Buffalo	cHou
Davis 99	Ste	—	Moto-M	Joh	A C	Wil	Moto-M	—	G R	G R	Duco	Cor	—	—	Per	Balc	Balc	—	cHex
Dodge Senior 6	N E	—	Moto-M	B&S	Cha	Wil	Moto-M	—	G R	ElG R	—	Cor Ind	Cor Ind	—	—	CG	CG	—	Lov
Dodge Victory 6	N E	—	Moto-M	B&S	Cha	Wil	Moto-M	—	G R	G R	—	Cor Ind	Cor Ind	—	—	CG	CG	—	Lov
Dodge Std. 6	N E	—	Moto-M	B&S	Cha	Wil	Moto-M	—	G R	G R	—	Cor Ind	Cor Ind	—	—	CG	CG	—	Lov
Durant Four	Ste	—	Roc	—	A C	U S L	—	—	—	—	VEP	Cor	—	†Kok	—	Bad	Eat	—	—
Durant 65	Ste	—	Nag	Sha	Cha	U S L	Safe T	—	—	—	VEP	Cor	—	Kok	—	Bad	Bad	†Yes	Gab
Durant 75	Ste	—	Nag	Sha	Cha	U S L	Safe T	—	—	—	VEP	Cor	—	—	—	†Bad	†Bad	†Yes	Lov
Durant 55	Ste	—	Roc	Sha	Cha	U S L	—	—	—	—	VEP	Cor	—	—	—	Bad	Bad	—	—
Elcar 6-78	Ste	—	Ster	Sha	A C	U S L	Moto-M	—	—	—	yMur	Bro	Hal	Yes	—	Ste	Ste	—	—
Elcar 8 78	Ste	—	Ster	Sha	A C	U S L	Moto-M	—	—	—	—	Bro	Hal	Yes	—	Ste	Ste	—	—
Elcar 8-82	Ste	—	Ster	Sha	A C	U S L	Moto-M	—	—	—	—	—	—	Yes	Yes	Ste	Ste	—	Lov
Elcar 8-120	Ste	Ster	Nag	Sha	A C	U S L	Moto-M	Yes.	—	—	—	—	—	Yes	Yes	Ste	Ste	—	Lov
Erskine Six	Ste	—	K-S	Her	Cha	Wil	—	—	—	—	Gli	Yes	Yes	—	—	Eat	Eat	—	—
Essex Super 6	Ste	—	K-S	Ele	A C	Ex	Moto-M	—	—	—	sDitz	J B	—	—	—	—	—	—	—
Falcon-Knight	Ste	—	Nag	Ele	Cha	U S L	—	—	—	—	Mou	Rea	—	—	—	—	—	Buffalo	bHex
Ford A.	Ste	—	Own	Ele	Cha	Own	—	—	—	—	—	Yes	—	—	—	—	—	Own	cHou
Frank'n Air. Ltd.	N E	Jag	Nag	Ele	Cha	U S L	—	Cas	G R	G R	DucoVal	Bro	Bro	—	—	CG	CG	—	cWat
Gardner 130	Ste	Phi	Moto-M	D-R	Cha	Pre	Moto-M	Cun	G R	—	Ditz	Cor	Cor	—	—	Balc	Balc	—	Lov
Gardner 195	Ste	—	Moto-M	D-R	Cha	Pre	Moto-M	—	—	—	Ditz	Cor	Cor	—	—	Balc	Balc	—	Lov
Gardner 120	Ste	—	Moto-M	D-R	Cha	Pre	Moto-M	—	—	—	Ditz	Cor	—	—	—	CG	CG	—	Lov
Graham-Pg 610	N E	—	K-S	Her	Cha	Wil	Moto-M	Cun	—	—	Ditz	Cor	Cor	—	—	Ste	Ste	—	Hex
Graham-Pg 614	N E	—	K-S	Her	Cha	Wil	Moto-M	Cun	—	—	Egyp	Cor	Cor	—	—	Ste	Ste	—	Has
Graham-Pg 619	N E	†Ster	K-S	Her	Cha	Wil	Moto-M	Cun	†G R	†G R	Ditz	Cor	Cor	—	—	Ste	Ste	—	cWat
Graham-Pg 629	N E	†Ster	K-S	Her	Cha	Wil	Moto-M	Cun	†G R	†G R	Ditz	Cor	Cor	—	—	Ste	Ste	—	Wat
Graham-Pg 835	N E	†Ster	K-S	Her	Cha	Wil	Moto-M	Cun	†G R	†G R	Ditz	Cor	Cor	—	—	Ste	Ste	—	Wat
Hudson Super 6	Ste	—	K-S	Ele	A C	Ex	Moto-M	—	Yes	Cas	sDuco	J B	—	—	—	—	—	MotoW	Wat
Hupmobile A	Ste	—	Ster	Elec	Cha	Wil	Moto-M*	—	—	—	Val	Own	Hal	—	—	—	—	—	Mon
Hupmobile M	Ste	—	—	Elec	Cha	Wil	Moto-M*	—	*Yes	*Yes	Val	—	Hal	—	—	—	—	—	Mon
Jordan RE	Ste	Ster	Nag	Her	Cha	Wil	Moto-M	—	Elg	Elg	sDuc	Val Gui	Gui	Per	—	Bif	Bif	K-H	cHou
Jordan JE	Ste	Ster	Nag	Her	Cha	Wil	Moto-M	—	Elg	Elg	sDuc	Val Gui	Gui	—	—	Bif	Bif	K-H	cHou
Kissel 6-73	A C	Yes	Gro	Ign	A C	Wil	A C	Cas	Yes	Yes	Mim	Sto	—	—	Per	Bad	Bad	—	Lov
Kissel 8-95	A C	Yes	Gro	Ign	A C	Wil	A C	Cas	Yes	Yes	Mim	Sto	—	—	Per	Bad	Bad	—	Lov
Kissel 8-126	A C	Yes	Gro	Ign	A C	Wil	A C	Cas	Yes	Yes	Mim	Sto	—	—	Per	Bad	Bad	Day	Lov
LaSalle	A C	Jag	Nag	D-R	A C	Ex	A C	Cas	Tern	Tern	Duco	Own	Hal	Del	*Kel	USE	USE	Buffalo	cLov
Lincoln 8	Wal	Wal	K-S	Her	Cha	Ex	—	Cuno	Cun	Cas	DucoVal	Own	Own	Own	—	Bif	Bif	Own	cHou
Locomobile 8-70	Ste	Phi	Moto-M	—	Cha	U S L	Moto-M	Cas	—	G R	Duco	Hal	—	—	—	Buck	—	Buffalo	cLov
Locomobile 8-80	Ste	Phi	Moto-M	Joh	Cha	U S L	Moto-M	Cas	AWS	G R	Duco	Hal	—	—	—	Buck	—	Buffalo	cLov
Locomobile 90	Wal	Wal	U S	Yal	Cha	U S L	—	Met	G R	G R	Duco	Aga	—	—	—	Buck	—	Buffalo	cLov
Locomobile 48	Wal	Wal	Bos	Yal	Cha	Pre	—	Met	G R	G R	Duco	Aga	—	—	—	Buck	—	Buffalo	cLov
Marmon 68	Ste	—	Moto	Sha	Cha	Pre	Moto-M	—	Elg	Elg	DucoVal	Hal	Hal	Per	—	Ste	Ste	Day	Lov
Marmon 78	Ste	Borg	Moto	Sha	Cha	Pre	Moto-M	Cas	Elg	Elg	DucoVal	Hal	Hal	Per	—	Ste	Ste	Day	Lov
Marmon 75	Wal	Wal	Nas	Tra-Ign	Cha	Pre	—	Cas	AWS	AWS	DucoVal	Hal	Hal	Per	—	CG	CG	Buffalo	Lov
Moon 6-68	Ste	—	Moto-M	Joh	Cha	U S L	—	—	—	—	sGli	—	—	—	—	—	—	—	aHar
Moon 6-62	Ste	—	Moto-M	Joh	Cha	U S L	—	—	—	—	sGli	Ind	—	Yes	—	Yes	Yes	—	aHar
Moon 6-72	Ste	—	Moto-M	Joh	Cha	U S L	Moto-M	—	—	—	sGli	Ind	—	—	—	Yes	Yes	—	aHar
Moon 8-75	Ste	Hun	Moto-M	Joh	Cha	U S L	Moto-M	Yes	G R	G R	sGli	Ind	—	Yes	Hill	Yes	Yes	—	aHar
Moon 8-80	Ste	—	Moto-M	Joh	Cha	U S L	Moto-M	—	—	—	sGli	Ind	—	—	—	Yes	Yes	Yes	Lov
Nash Adv. 6	Ste	†GE	K-S	B & S	A C	U S L	Moto-M	†Yes	†Yes	†Yes	xDuc	Yes	Hal	—	—	Ste	Eat Ste	—	Hou
Nash Special 6	Ste	—	K-S	B & S	A C	U S L	Moto-M	—	G R	G R	xDuc	Yes	Hal	—	—	Bif	Bif	—	Lov
Nash Stand. 6	A C	—	K-S	B & S	A C	U S L	Moto-M	—	—	—	xDuc	Yes	Bro	—	—	Bif	Bif	—	Lov

Motor Car Output Down This Month

(Continued from Page 1)

vember, and the output of steel continued in record volume.

Copper mining and smelting continued at a high level, and the output of coal and petroleum increased by more than the usual seasonal amount, while the production of zinc declined. There was also a decline in the output of lumber and building materials.

The November cotton crop estimate of the Department of Agriculture was slightly larger than the October estimate and indicated a yield of 14,133,000 bales, 1,178,000 more than the production of 1927. Freight car loadings continued larger in October and November than a year ago, reflecting chiefly large loadings of miscellaneous freight.

Wholesale commodity prices declined in October after a continuous increase for three months, and the Bureau of Labor statistics index for October at 97.8 per cent. of the 1926 average was over 2 per cent. below that for September.

The principal increases occurred in prices of iron and steel, copper and raw silk.

CLASSIFIED ADVERTISEMENTS IN THE AUTOMOTIVE DAILY NEWS BRINGS RESULTS

Motor Car Aids To Be Featured At Power Show

(Continued from Page 1)

and eleven lubricators. There are twenty-seven exhibitors of precision instruments and fifty-five electrical equipment exhibitors. Among the exhibitors of transmission equipment, fourteen display bearings, twenty gears and six clutches.

Among the exhibitors are: American Brass Company, American Mond Nickel Company, Anaconda Copper Mining Company, Bethlehem Steel Company, Inc., Black & Decker Manufacturing Company, S. F. Bowser & Co., Inc.; Bristol Company, Brown Instrument Company, Buffalo Meter Company, Carboloy Company, Inc.; Carborundum Company, Cincinnati Electric Tool Company, Crescent Tool Company, Detroit Lubricator Company, Detroit Seamless Steel Tubes Company, Inc.; Joseph Dixon Crucible Company, Doehler Die Casting Company, Fafnir Bearing Company, Federal Gauge Company, Fyre-Freeze Corporation, General Electric Company, General Fire Extinguisher Company, International Nickel Company, W. A. Jones Foundry and Machine Company, Morse Chain Company, Motor Tool Specialty Company, Philadelphia Gear Works, Taylor Instrument Company, Texas Company, Tide Water Oil Sales Corporation, Timken Roller Bearing Company, Van Dorn Electric Tool Company, Veeder-Root, Inc.; Weston Electrical Instrument Corporation, and Yale & Towne Manufacturing Company.

S. O. OF N. J. ORGANIZES AN EXPORT ASSOCIATION

New York, Nov. 27.—A step toward participation in a general export association representing the oil industry of the United States, the Standard Oil Company of New Jersey, through five of its affiliated companies, has organized the Standard Oil Export Corporation, it was announced yesterday. The new organization will function individually until the joint export body is set up, after which it "will be eligible to take membership representing those interests in the general association."

ADAMS OF E. G. BUDD CO. ON FOREIGN FACTORY TOUR

Philadelphia, Nov. 27.—Hugh L. Adams, vice-president of the Edward G. Budd Manufacturing Company of Philadelphia and Detroit, is on a brief trip to England, France and Germany to confer with officials of factories in those countries in which the Budd company is interested and which are building the Budd type of all-steel full vision bodies and body parts for European car makers and for American chassis exported without bodies to Europe.

FRANKLIN MAKES FAST NEW YORK-CHICAGO RUN

New York, Nov. 27.—Battling its way through rain and snowstorms, through six states and over the Allegheny Mountains of Pennsylvania, a strictly stock Franklin Airman sedan, piloted by Cannon Ball Baker, established a new speed record between New York city and Chicago a few days ago, beating by more than an hour the fastest scheduled time of the crack limited trains between these two cities, and clipping nearly three hours from the claimed automobile speed record. In this run Baker covered the 840 miles in exactly 18 hours, 59½ minutes, averaging 44.23 miles an hour.

EXLER-BAKER COMPANY NOW IN NEW QUARTERS

Buffalo, N. Y., Nov. 27.—The Exler-Baker Company, Hudson-Essex dealers in the Kensington section of Buffalo, have opened for business in new sales and service quarters at 2917 Bailey Ave. Accessories are carried, in addition to a complete line of these cars.

WILLYS-OVERLAND BACK ON 5½ DAY OPERATION

Toledo, Nov. 27.—Willys-Overland Company's plant has resumed five and a half day week operations with day and night shifts, after continuing all fall on a five-day week. Increased orders for the truck lines are reported.

Passenger Car Equipment and Accessories

Name and Model	Speed-ometer	Clock	Fuel Gauge	Lock	Spark Plugs	Battery	Heat In-dicator	Cig. Lighter	Smoking Set	Vanity Set	Make of Body Finish Used	Stop Light	Parking Light	Windshield Wings	Heater	Front Bumper	Rear Bumper	Wire Wheels*	Shock Absorber
Oakland All-Am	AC	—	K-S	D-R	AC	Wil	—	—	†Fis	†Fis	Duco	D-R	Ind	—	—	CG	CG	Mot W	cLov
*Oldsmobile	AC	—	K-S	D-R	AC	Wil	AC	—	Tern	—	§Duco	D-R	D-R	—	—	Own	Own	M W	cLov
Packard 626, 633	NE	Jag	K-S	—	Cha	Pre	Moto-M	Cas	Own	Cas	sVal	Own	Own	Yes	Kel	Cen	Cas	—	Own
Packard 640, 645	NE	Jag	K-S	—	Cha	Pre	Moto-M	Cas	Own	Cas	sVal	Own	Own	Yes	Kel	Cen	Cas	—	Own
Peerless 91	AC	Elg	Moto-M	Ele	Cha	Ex	Moto-M	—	GR	GR	Val	Gui	Gui	Kok	—	Bif	—	—	Lov
Peerless 81.....	AC	Elg	Moto-M	Ele	Cha	USL	Moto-M	—	GR	GR	Val	Cor	Cor	Kok	—	Bif	—	—	Gab
Pierce-Arrow 36.	Wal	Wal	Roc	Her	Cha	Wil	Moto-M	Cas	†AWS	†AWS	sDuco	Aga	Aga	—	—	Own	—	Buffalo	cHou
Pierce-Arrow 81.	Wal	Wal	Roc	Her	Cha	Wil	Moto-M	Cas	†AWS	†AWS	sDuco	Aga	Aga	—	—	Own	—	Buffalo	cHou
Plymouth	NE	—	Roc	Sha	AC	Wil	—	—	—	—	Duco	Cor	—	—	—	—	—	—	—
Pontiac 6-28 ...	AC	—	K-S	D-R	AC	Pre	—	—	†Fis	†Fis	Duco	D-R	D-R	—	—	CG	CG	Buffalo	cLov
Reo Wolverine ..	Ste	—	Moto-M	Ele	Cha	Wil	—	—	Elg	Elg	sDitz	Gui	Gui	—	—	CG	CG	—	a†Lov
Reo Flying Cl'd.	Ste	—	K-S	Blos	Cha	Wil	AC	—	GR	GR	sDitz	Gui	Gui	—	—	CG	CG	—	cLov
Ste'rns-K.H. 8-90	Ste	Wal	Nag	Ele	Cha	USL	—	Cuno	†Elg	†Elg	sVal	Hal	Gui	†Yes	—	Bif	Eat	Bif	Buffalo cHou
Stearns-K.J 8-90	Ste	Wal	Nag	Ele	Cha	USL	—	Cuno	†Elg	†Elg	sVal	Hal	Gui	†Yes	—	Ste	Ste	Buffalo	cHou
Studebak. Dict..	Ste	—	K-S	Her	Cha	Wil	Yes	—	—	—	Gli	Yes	Yes	—	—	Eat	Eat	—	cMon
Studebaker Com	Ste	—	K-S	Her	Cha	Wil	Yes	*Yes	—	—	Gli	Yes	Yes	—	—	Eat	Eat	—	cMon
Studebaker Pres	Ste	Yes	Nag	Her	Cha	Wil	Yes	Yes	Yes	Yes	Gli	Yes	Yes	—	—	Eat	Eat	—	cMon
Stutz BB	AC	NH	Gro	Mil	Cha	Pre	AC	Cas	Elg	Elg	Val	Bro	—	Kok	—	Buck	Buck	Buffalo	cLov
Velie 68	Ste	—	Nag	Ele	Cha	Pre	Moto-M	—	—	—	Duco	Vict	—	—	—	CG	CG	Buffalo	Lov
Velie 78	Ste	—	Nag	Ele	Cha	Pre	—	—	GR	—	Duco	Vict	—	—	—	CG	CG	Buffalo	Lov
Velie 90	Ste	—	Nag	Ele	Cha	Pre	—	—	GR	—	Duco	Vict	—	—	—	CG	CG	Buffalo	Lov
Whippet Four..	Ste	—	Roc	Ele	Cha	USL	—	—	—	—	Mou	Ind	—	—	—	—	—	Buffalo	aGab
Whip. 6, Mod 98	Ste	—	Roc	—	Cha	USL	—	—	—	—	Mou	Ind	—	—	—	—	—	Buffalo	aGab
Willys-K. Sta. 6	Ste	—	Nag	—	Cha	USL	—	—	—	—	Mou	Ind	Yes	—	—	—	—	Buffalo	cGab
Willys-K. Spl. 6	Ste	—	K-S	Ele	Cha	USL	Moto-M	—	GR	GR	Mou	Ind	Yes	—	—	—	—	—	cGab
Willys-K. Grt. 6	Ste	—	Nag	Ele	Cha	USL	Moto-M	—	GR	GR	Mou	Ind	Yes	—	—	—	—	††Buf	cBosch

KEY TO ABBREVIATIONS USED IN THIS TABLE

GENERAL

*In addition to its regular line Oldsmobile also offers a de luxe line. De luxe equipment includes: Six wire wheels (with six tires and tubes), two wheels carried in front fender wells and securely locked in position, chromium-plated headlamps, four spring boots, folding trunk rack at rear and sheet metal (fenders, etc.) duoed in color on those models on which duoed sheet metal is more harmonious than is black enameled sheet metal.
*Moto Meter equipment supplied by the factory at dealer's option.
Z—Optional. †On some types.

SPEEDOMETER

AC—AC Spark Plug Co., Flint, Mich.
NE—North East Electric Co., Rochester.
Ste—Stewart-Warner Speedometer Corp., Chicago.
Wal—Waltham Watch Co., Waltham, Mass.

CLOCK

Chel—Chelsea Clock Co., Boston, Mass.
El or Elg—Elgin Clock Co., Elgin, Ill.
GE—General Electric Co., Schenectady.
Hun—Hunter; see Elg.
Jag—Jaeger Watch Co., New York city.
NH—New Haven. See Phi.
Phi—Phinney-Walker Co., New York city.
Ster—Sterling Electric Clock Corp., New York city.
Wt or Wal—Waltham Watch Co., Waltham, Mass.

FUEL GAUGE

Bos—Boston Auto Gage Co., Pittsfield, Mass.
Gro—Grolan Co., Dayton, O.
KS—King-Seeley Corp., Ann Arbor, Mich.
Nag—Safe-T-Stat Co., Brooklyn, N. Y., and Toledo, O.
Moto-M—Moto Meter Co., Inc., L. I. City, N. Y., and La Crosse, Wis.
Roc—Rochester Mfg. Co., Rochester, N. Y.
Ster—Sterling Electric Clock Corp., New York city.
US—U. S. Gauge Co., New York city.

LOCK

B&S—Briggs-Stratton Co., Milwaukee.
Blos—Blossom.
Clum—Clum Mfg. Co., Milwaukee, Wis.
Corb—Corbin Cabinet Lock Co., New Britain, Conn.
Ele—Mitchell Specialty Co., Holmesburg, Philadelphia
Elec—Electro Lock.
D-R—Delco-Remy Corp., Anderson, Ind.
Her—Hershey Mfg. Co., Chicago.
Ign—Ignition.
Sar—Sargent & Co., New Haven, Conn.
Joh—Johnson Automobile Lock Co., St. Louis, Mo.
Mil—Miller Lock Co., Philadelphia.
N. E.—North East Electric.
Sha—Shaler Lock Co., Milwaukee, Wis.
Tra—Transmission.
War—Warner Gear Co., Muncie, Ind.
Yal—Yale & Towne Mfg. Co., Stamford, Conn.
*Coincidental St. Gear & Ign.

SPARK PLUGS

AC—AC Spark Plug Co., Flint, Mich.
Cha—Champion Spark Plug Co., Toledo, O.

BATTERY

Ex—Electric Storage Battery Co., Philadelphia.
Pre—Prest-O-Lite Co., Indianapolis, Ind.
USL—U. S. L. Battery Corp., Niagara Falls, N. Y.
West—Westinghouse.
Wil—Willard Storage Battery Co., Cleveland, O.

HEAT INDICATOR

AC—AC Spark Plug Co., Flint, Mich.
Moto-M—Moto Meter Co., Inc., Long Island City, N. Y., and La Crosse, Wis.
SafeT—Safe-T-Stat Co., Brooklyn, N. Y.

CIGAR LIGHTER

Cas—Connecticut Automotive Epecialty Co., Bridgeport, Conn.
Cun—Cuno Engineering Corp., Meriden, Conn.
GRGR—Grand Rapids Metalcraft Corp., Grand Rapids, Mich.
Met—Metal Specialties Mfg. Co., Chicago.
†On some models.
*Closed models only.

SMOKING AND VANITY SETS

AWS—Art Metal Works, Newark, N. J.
Cas—Connecticut Automotive Specialty Co., Bridgeport, Conn.
Cun—Cuno Engineering Corp., Meriden, Conn.
El or Elg—Elgin Clock Co., Elgin, Ill.
Fis—Fisher Body Corp., Detroit.
GR—Grand Rapids Metalcraft Corp., Grand Rapids, Mich.
*On Studebaker line, ash receiver only.
Tern—Ternstedt.

BODY FINISH

Arco—John L. Armitage & Co., Newark, N. J.
Ditz—Ditzler Color Co., Detroit, Mich.
Duco—E. I. du Pont de Nemours & Co., Philadelphia.
Egypt—Egyptian Lacquer Co.
Gil—Gilden Co., Cleveland, O.
Mim—Mimax, Pittsburgh Plate Glass Co.
Mou—Mountain Varnish & Color Works, Toledo, O.
Mur—Murphy Varnish Co., Newark, N. J.
Shw—Sherwin-Williams Co., Cleveland, O.
Val—Valentine & Co., New York city.
VEP—V. E. P. Co., St. Louis, Mo.
§—Also Rinshed-Mason.
s—Also Ditz.
s—Also other makes.
Var's—Various.
x—Also Pittsburgh Plate Glass Co., Milwaukee, Wis.
y—Also Wilhelm Co., Reading, Pa.

STOP AND PARKING LIGHTS

Aga—Federal Pressed Steel Co., Chicago.
Bro—Brown & Green Ignition Sales Co., New York city.
Cor—Corcoran Co., Cincinnati, O.
D-R—Delco-Remy Corp., Anderson, Ind.
Gui—Guide Motor Lamp Mfg. Co., Cleveland, O.
Hal—Hall Lamp Co., Cincinnati, O.
Ind—Indiana Lamp Corp., Connersville, Ind.
Rea—Appleton Electric Co., Chicago.
Sto—Stover Signal Engineering Co., Racine, Wis.
Viet—Cincinnati Victor Co.
JB—John Brown Lamp Co.

WINDSHIELD WINGS

Ben—Benzer Corp., Brooklyn, N. Y.
JH—Tonneau Shield Co., Inc., New York city.
John—Johnston Mfg. Co., Chicago.
Kok—Fulton Co., Milwaukee, Wis.
Per—Perfection Heater & Mfg. Co., Cleveland, O.
Del—Delco-Remy.

WIRE WHEELS

Moto W—Motor Wheel Corporation.
Day—Dayton Steel.
K-H—Kelsey-Hayes.
M W—Motor Wheel Corp.
*Buffalo—Wire Wheel Corporation of America, Buffalo, N. Y.
†On Durant lines Model 65s and 75 on cabriolet, roadsters and broughams.
††On Willys-Knight Foursome model only.
§De luxe equipment on 5 body types announced Aug. 1.

HEATER

Gla—Gladiator Mfg. Co.
Hil—Hill Products Corp., Chicago.
Kel—Kelch; made by Roberts Brass Mfg. Co., Detroit, Mich.
Per—Eaton Axle & Spring Co., Cleveland, O.
Roy—Royey Auto Heater Co., Chicago.
*Special equipment.

BUMPERS

Al—Alloy Steel Spring & Axle Co., Jackson, Mich.
Bad—Badger Mfg. Corp., Milwaukee.
Bale—Cincinnati Ball Crank Co., Cincinnati, O.
Ball—Automobile Equipment Mfg. Co., Chicago.
Bif—Biflex Corp., Waukegan, Wis.
Buck—See Cen.
Cen—Central Brass & Fixture Co., Springfield, O.
CG—CG Spring & Bumper Co., Detroit.
Eat—Eaton Axle & Spring Co., Cleveland.
Fed—Federal Pressed Steel Co., Chicago.
Ster—Sterling Spring Co., Cleveland, O.
Ste—Stewart-Warner Speedometer Corp., Chicago, Ill.
USE—U. S. E. Corp., Long Island City.

SHOCK ABSORBER

Bosch—American Bosch Magneto Corp., Springfield, Mass.
Gb or Gab—Gabriel Snubber Mfg. Co., Cleveland, O.
Har—Edward V., Hartford, Inc., Jersey City, N. J.
Has—Robert H. Hassler, Inc., Indianapolis, Ind.
Hx or Hex—Detroit Steel Products Co., Detroit, Mich.
H. or Hou—Houde Engineering Corp., Buffalo, N. Y.
Lov—Delco-Remy Corp., Anderson, Ind.
Mon—Monroe.
Wah—Wahl Co., Chicago.
Wat—John Warren Watson Co., Philadelphia.
Wee—American Chain Co., Bridgeport, Ct.
a—Front only.
b—Rear only.
c—Front and rear.
**Front, Lov. rear.

RADIATOR SHUTTERS

Oldsmobile own.

Harvey, Jr., of G.M. Export, to Arrive On Homeric Today

New York, Nov. 27.—William Harvey, Jr., general manager of General Motors Export Company, will arrive tomorrow on the Homeric, having completed a five months' tour of the General Motors European assembly plants and visited the motor shows at Paris and London. Mr. Harvey is accompanied by his family.

Thomas Shirley of the general manufacturing division of General Motors Export Company sailed for Bombay via London, November 24, on the Adriatic. Mr. Shirley will be the passenger car specialist at General Motors India. He was accompanied by his family.

H. M. Larner of the general manufacturing division sailed November 21 on the S. S. America for Berlin, where he will spend approximately two months at General Motors G.m.b.H. before leaving for Batavia, where he will be commercial body specialist for General Motors Java. He was accompanied by Mrs. Larner.

W. F. Smith, sales manager of General Motors Argentina, arrived from Buenos Aires November 21 on the Pan America, for a vacation and visit to the home office of General Motors Export Company.

I. E. Loveland, regional service manager for Europe, arrived in New York yesterday on the Minnewaska for a vacation and visit to the home office of General Motors Export Company. He was accompanied by his family.

K. T. Milne, director of the equipment division of General Motors (France), arrived in New York yesterday on the Minnewaska for a vacation and visit to the home office of General Motors Export Company. He was accompanied by his wife.

G. H. Good of the sales department of General Motors Export Company will sail from San Francisco for Australia on the S. S. Sonoma for Melbourne, where he will join the sales staff of General Motors Australia, Ltd. He will be accompanied by his wife.

Frank B. Appelbee sails for Europe tomorrow on the Columbus. Mr. Appelbee has been on a five weeks' visit to the home office of General Motors Export Company and is returning to General Motors (France) in Paris.

SPRINGFIELD SHOW TO BE HELD MARCH 7 TO 10

Springfield, Ill., Nov. 27. — The Springfield Auto Dealers Association will hold in eleventh annual auto show in the State Arsenal on March 7, 8, 9 and 10. W. F. Dagon will be show manager, with President William McKenzie of the association as supervisor.

AARON DE ROY COMPANY ESTABLISHES NEW SALON

Detroit, Nov. 27.—Aaron De Roy Motor Car Company, Hudson-Essex distributor here, has established a new downtown salon for the display of the cars, on Broadway.

The building has been completely remodeled and redecorated with handsome imported draperies and furniture. A formal housewarming was held this week to introduce the new quarters to the public. The main salesroom, on the Woodward Avenue row, is also being remodeled, with additional floor space. Sales records have been consistently broken every month this year, the De Roy organization reports.

78 PACKARD SERVICE MANAGERS AT MEETING

Chicago, Nov. 27.—Service managers of Packard Chicago branches and dealer establishments numbering 78 gathered at the Metropole Hotel for an all-day service meeting, in charge of N. H. Peterson, general service manager, of Chicago. Messrs. Stalker, Williams and Harrison, from Detroit, were in attendance, representing the Packard factory.

An evening service meeting and dinner was attended by fifty-four service men from the 37th Street service station and branches.

RICHARDS-OAKLAND COMPANY NAMES ASSOCIATE DEALER

Detroit, Nov. 27.—The Richards-Oakland Company, Oakland-Pontiac distributor here, has added another associate dealer to the long roster—the Reid Auto Sales, Inc. G. N. Reid, who heads this latest addition to the dealer body in the Detroit area, has been with the Richards-Oakland Company for three years, lately as sales manager at the main salesroom in the General Motors Building.

McPHEE SECURES FORD CONTRACT AT ROANOKE

Louisville, Ky., Nov. 27.—It became known in Louisville during the week that Edward L. McPhee, manager of the Louisville division of the Ford Motor Company, has resigned that connection, effective December 1, at which time he will go to Roanoke, Va., where he is taking over the Ford contract, formerly handled by the Yost-Huff Motor Company, and which in the future will be handled by the McPhee Motor Company.

Mr. McPhee's successor at Louisville has not been named. C. F. Brown is assistant manager of the Louisville division, and will be acting manager until a definite appointment is made.

"Panel by MotoMeter" includes Ammeter Oil Gauge Gas Gauge and BOYCE MOTOMETER

"Panel by MotoMeter" means the utmost in design quality and protection

The Moto Meter Company Inc. LONG ISLAND CITY, N.Y.

JOYCE ELECTED HEAD OF SALES MANAGERS' CLUB OF 2 JERSEY COUNTIES

Newark, N. J., Nov. 27.—Joseph Joyce, sales manager of William Hufnagel, Chevrolet dealer of North Bergen, has been elected president of the newly organized Sales Managers' Club of Hudson and Essex counties.

Other officers are: Vice-president, George Lockey of the Foley Chevrolet Company, Newark; treasurer, William Priestman, Gibb Chevrolet Company, East Orange; secretary, Herman Goelz, Jr., B. D. L. Motor Corporation, Union City.

Twenty-three sales managers of the two northern New Jersey counties are members of the organization, which was started under the direction of Ralph Myers of the New York headquarters, who spoke on "Salesmen Are Born and Not Made."

The organization discussed group insurance and will delve into this subject more thoroughly during the winter. The program committee consists of Philip Clark, Holsey Auto Company, Jersey City; William Kelly, Rhinehardt-Strunk Company, Belleville, and J. McMichael, Oliver Chevrolet Company, Kearny.

GRAHAM-PAIGE APPOINTS LYNN DISTRICT MANAGER

Omaha, Neb., Nov. 27.—Ralph F. Lynn has been appointed manager by the Graham-Paige Motors Corporation over a newly created district that comprises Omaha, Des Moines, Lincoln and Sioux Falls. He has established headquarters at 701 Union State Bank Building, at 19th and Farnam Streets.

CHECKER CAB OFFERS STOCKHOLDERS RIGHTS

New York, Nov. 27.—Checker Cab Manufacturing Corporation offers stockholders of record November 22 right to subscribe to 125,000 shares of additional stock at $30 a share in ratio of one share for each two shares held. Offering has been underwritten. Proceeds will be used for additional working capital.

OPINIONS WORTH READING

"We find this paper to be the best automotive paper that we have yet subscribed to."

M. W. HAENSLER,
THE OVERMYER-ZECHMAN-BALL CO.,
Bellevue, Ohio.

We wish to express to you our appreciation of the splendid manner in which you get up the Automotive Daily News to which we are subscribers.

We find this paper to be the best automotive paper that we have yet subscribed to in the way of getting the news each day and keeping the garage dealer posted.

"I do not know any better way of keeping abreast with the times."

J. J. COOLEY,
COOLEY CHEVROLET CO.,
New Haven, Conn.

You may put me on record in saying that I believe the Automotive Daily News is indispensable to the live, aggressive automobile merchant. I do not know of any better way of keeping abreast with the times as in reviewing your paper daily. I believe your staff is deserving a great deal of credit in putting out the Automotive Daily News, which is so helpful to the dealer.

". . . I would not like to do business without it."

JOHN A. SMITH, Director of Sales,
JONAS CADILLAC CO.,
Milwaukee, Wis.

I look forward to receiving my copy regularly, and if for any reason I do not receive it, I am greatly disappointed and feel that I have lost something out of my day's work. There are so many things in this Automotive Daily News that are helpful that I would not like to do business without it.

With best wishes for your success and a large circulation.

"I look forward daily to my issue of the Automotive Daily News."

T. E. BYRNE, General Manager,
CITIZENS MOTOR CAR COMPANY,
Indianapolis, Ind.

I take great pleasure in telling you that I look forward daily to my issue of the Automotive Daily News, and believe it is the kind of a publication that keeps the automobile merchant equipped with first-hand information on the entire field. I like it very much.

". . . Feel that it gives us information daily which we would have to wait ordinarily a week to get."

C. S. WINSTON,
WINSTON MOTOR COMPANY, INC.,
Toledo, Ohio.

We have taken the Automotive Daily News for a period of four years and feel that it gives us information daily, which we would have to wait ordinarily a week to get. We look forward each day to the different items which directly concern those in the motor car business.

"It gives us a great deal of up-to-date information."

F. H. HAVERLAND,
WINONA MOTOR COMPANY,
Winona, Minn.

We have been receiving the paper for about two years, and would not be without it for a great deal. It gives us a great deal of up-to-date information, and, in fact, is right up to the minute on all automotive subjects.

We take great pleasure in recommending it to any one interested in this line of business.

CLARK EQUIPMENT COMPANY

CELFOR MANUFACTURERS OF CLARK EQUIPMENT

CELFOR DRILLS & REAMERS AND CLARK TRUCK AXLES & WHEELS

EUGENE B. CLARK, PRESIDENT
M. L. HANLIN, VICE PRESIDENT
E. B. ROSS, VICE PRESIDENT
A. S. BONNER, SECY. & TREAS.
FRANK HABICHT, PURCH AGT.

Buchanan, Michigan
October 25, 1928

MR. H. A. TARANTOUS,
Business Manager
"Automotive Daily News"
New York City

Dear Mr. Tarantous:

Every industry should have its trade papers to carry its news, and the larger, more active, and broader industries, such as the Automotive, need a daily paper to herald the news and progress of events.

The automotive industry is fortunate in having as its trade magazines the best in the country, and the founders of the "Automotive Daily News" are to be congratulated upon their foresight and vision in the establishment of your paper.

The best way to place a message quickly before the entire automotive field is to run a series of advertisements in your good paper.

Congratulations upon your progress and enterprize.

Very truly yours,

Ezra W. Clark

EW:DK

For reader interest no publication excels Automotive Daily News. The highest grade merchants in the industry, manufacturing executives—jobbers—pay $12 per year to subscribe. Reach these men of importance at any time in Automotive Daily News. A very appropriate starting time is the Show period, when a big bonus circulation is given.

250,000 Distribution During Both Show Weeks

NEW YORK SHOW ISSUES: Closing Time* for Advertising Copy	CHICAGO SHOW ISSUES: Closing Time* for Advertising Copy
Jan. 7—Jan. 5, 9 A. M.	Jan. 28—Jan. 26, 9 A. M.
Jan. 8—Jan. 7, 9 A. M.	Jan. 29—Jan. 28, 9 A. M.
Jan. 9—Jan. 8, 9 A. M.	Jan. 30—Jan. 29, 9 A. M.
Jan. 10—Jan. 9, 9 A. M.	Jan. 31—Jan. 30, 9 A. M.
Jan. 11—Jan. 10, 9 A. M.	Feb. 1—Jan. 31, 9 A. M.

*Prior notice must be given and complete plate or mat must be in our hands by time specified.

If copy must be set, one additional day is needed.
Color and rotogravure forms close two weeks prior to date of publication.

Automotive Daily News

H. A. Tarantous, *Bus. Mgr.* — Graybar Building, New York City

Willard R. Cotton
Western Manager
163 No. Michigan Ave.
Chicago, Ill.

DETROIT OFFICE
Geo. M. Slocum, Mgr.
General Motor Building
Detroit, Mich.

J. Edward Schipper
Eastern Manager
Graybar Building
New York

BOSTON OFFICE
Metz B. Hayes, Mgr.
Little Building
Boston, Mass.

PACIFIC COAST
Blanchard, Nichols & Coleman
Am. Nat. Bank Building
San Francisco, Cal.

Stock Dividend of 5% Declared by Overland

(Continued from Page 1)

company have agreed to take up their rights and the balance has been underwritten at the offering price of $25 per share. Upon payment of the stock dividends and sales of the new stock Willys-Overland will have outstanding 3,000,000 common shares, against 2,526,402 shares.

President John N. Willys, in a letter to be mailed to Willys-Overland common stockholders, says:—

"Directors have decided at this time to capitalize a small part of the $45,000,000 that has been expended out of earnings in the past six years for the purpose of rehabilitating equipment, developing product and providing additional capacity at the Toledo, Elmira, Pontiac and Elyria plants, and they have accordingly ordered a distribution of 5 per cent. in common stock to common shareholders. This distribution is in addition to the current cash dividend of $1.20 per annum.

"Sales for 1928 should reach approximately 325,000 cars, the largest in the company's history, and a gain of 85 per cent. over 1927. Export business has played a prominent part in the gains of this year, and for the coming year foreign sales are certain to be even more prominent by virtue of the strides we are making in the British Isles, Germany, France and other countries.

"For the coming year a much larger schedule of production than in 1928 is planned, and the output from the Toledo plant will be augmented by a Pacific Coast assembling unit advantageously located in the new industrial area of Los Angeles.

"To make the treasury position of the company impregnable throughout the forthcoming period of record-breaking production, and to gain the immense advantages of large cash resources in handling this program, directors have decided upon an offering of 330,459 shares of additional common stock at $25 a share to common stock holders in the ratio of one new share for every seven and one-half shares now held. This offering of new stock will carry the 5 per cent. stock dividend.

"With the program of plant expansion and rehabilitation completed, and with senior securities rapidly being retired, common stock holders should be able to realize further, in due course, upon the earning potentialities of the company, which now faces its most promising era of development."

EVANS AUTO LOADING WILL VOTE ON STOCK INCREASE

Boston, Nov. 27.—Evans Auto Loading Company has called special stockholders' meeting December 10, at Detroit, to vote on proposal to increase authorized stock to 300,000 shares from 200,000 shares. Part of increased stock will be issued in exchange for properties to be purchased, including the Western Lumber Manufacturing Company of Marshfield.

Rubber Prices

New York, Nov. 27.—Commission house selling was a big factor in the decline of crude rubber prices on the local markets yesterday. Activity was fair and the turnover on the local Exchange totaled 435 lots, or 1,132½ tons. Prices at the final bell were unchanged, to 30 points lower.

The failure of the trade to circulate December notices disappointed the bears. Some deliveries opened 10 points off on slightly lower cables from London. December was one of these and opened 10 points lower, at 17.70c. During the second hour's trading this delivery climbed back into its position of the night before but dropped back in the later trading to close with a net loss of 20 points.

Selling is said to have been based on expectations of heavy tonnage in the consular invoice figures due today. In some sections it was said, however, that the Malayan figures would more likely show decline.

Prices on the outside market remained unchanged, with factory bids ¼c. below the market.

RUBBER EXCHANGE OF NEW YORK

	High	Low	Close	Prev. close
December..	17.80	17.60	17.60	17.80
January ..	17.90	17.90	17.90	17.90
February...	....	....	*18.00	18.00
March	18.20	18.10	18.10a18.20	18.10
April	....	....	*18.30	18.40
May	18.60	18.50	18.50a18.60	18.60
June	....	....	*18.60	18.70
July	18.80	18.70	18.70a18.80	18.90
August ...	....	....	*18.80	18.90
September..	19.00	18.90	18.80a18.90	19.00
October ...	19.00	19.00	18.90a19.00	18.90

Spot, *17.70.

*Nominal.

OUTSIDE CLOSING PRICES

(Per pound, delivered, New York.)

Plantation—	Bid	Asked
Ribbed, smoked sheets, spot...	17⅞	18⅛
November	17⅞	18⅛
December	17⅞	18⅛
January	17⅞	18⅛
January-March	18	18¼
April-June	18½	18⅝
July-September	18¾	18⅞
Spot—		
First latex crepe.....	18¾	19
Clean thin brown crepe.....	16¾	17
Specky brown crepe.....	16½	16¾
Rolled brown crepe.....	13⅞	14⅛
No. 2 amber.....	17	17¼
No. 3 amber.....	16¾	17
No. 4 amber.....	16½	16¾
Paras—		
*Up-River, fine, spot.....	19½	19¾
do coarse	13	13½
*Acra, fine, spot.....	20¼	20⅛
Brazil, washed, dried, fine..	25	25¼
*Caucho Ball-Upper.....	12	12½
Centrals—		
*Esmeraldas	12	—
*Central scrap	12	—
Guayule, washed, dried....	—	17½
Balata—		
Block Ciudad	44	45
Surinam sheet	48	49
Manaos block	44	45
Peruvian block	26	27

SCRAP RUBBER

(Dealers' buying prices, f. o. b. N. Y.)

Boots and shoes, black, ton...	$20.00	a21.00
Arctics, cwt.....	.50a	.60
Inner tubes, mixed, cwt.....	3.75a	3.80
Inner tubes, red, cwt.....	4.50a	4.75
Mixed hose, soft, cwt.....	.35a	.50
Hose, air brake, ton.....	25.00a	27.50
Tires, standard, mixed, ton..	17.00a	18.00
Inner tubes, No. 1, cwt.....	6.00a	6.25
Inner tubes, No. 2, cwt.....	3.37a	3.50

*Nominal.

REYNOLDS SPRING PROFIT FOR QUARTER $35,162

New York, Nov. 27.—Reynolds Spring Company reports for the quarter ended September 30, 1928, net profit of $35,162, after depreciation, interest, etc., comparing with net loss of $2,401 in preceding quarter and net loss of $8,039 in the third quarter of 1927. The net profit for nine months ended September 30, 1928, totaled $38,847 after above charges, against net loss of $38,615 in the first nine months of 1927.

REPUBLIC IRON & STEEL OFFER STOCKHOLDERS RIGHTS

Pittsburgh, Nov. 27.—Republic Iron and Steel Company directors have voted to offer common stockholders of record December 15, the right to subscribe to additional stock at $65 a share in ratio of one share for every six held. The offering will involve issuance of approximately 100,000 common shares. Philip Wick, Myron Wick and William G. Mather were elected directors.

New York, Nov. 27.—Walter P. Chrysler has been elected a director of Postum Company, Inc.

GLIDDEN CO. DECLARES EXTRA 12½c. DIVIDEND

Cleveland, Nov. 27.—Glidden Company declared an extra dividend of 12½ cents and a quarterly dividend of 37½ cents on the common and the regular quarterly dividend of $1.75 on the preferred, all payable January 2 to stock of record December 17. Quarterly dividend of 37½ cents on common places stock on a $1.50 annual basis. Declaration marks the resumption of dividends on common. Last previous dividend was 50 cents quarterly, which was paid April 1, 1927.

PITTSBURGH PLATE GLASS SEEKING PLANT SITES

San Francisco, Nov. 27.—Representatives of the Pittsburgh Plate Glass Company have been in San Francisco and Oakland examining sites for a possible factory for non-breakable patent glass.

CLASSIFIED ADVERTISEMENTS IN THE AUTOMOTIVE DAILY NEWS BRINGS RESULTS

RANGE OF AUTOMOTIVE STOCKS

NEW YORK STOCK EXCHANGE

Previous, 1928 High	Low	Div.		Sales	High	Low	Close	Net Change
65	11	....	Advance Rumely	100	51⅝	51½	51½	— ⅛
69¾	34¼	....	Advance Rumely pf....	300	61⅞	60¾	60¾	— ⅝
14⅝	7½	....	Ajax Rubber	8,100	10¾	10⅛	10⅜	— ⅜
147¾	115⅛	7	Allis Chalmers	1,900	145	143½	145	+ ⅝
41	15⅝	....	Am. Bosch Magneto...	18,400	42¼	38⅝	41	+ 2⅝
11⅝	5¼	....	Am.-La France	300	9	8⅜	8⅜	— ⅝
63⅝	21⅛	....	Briggs Mfg. Co.....	13,400	54	51½	52	— ½
75½	45½	3	Brockway Motor	500	69⅞	69¾	69¾	+ ¾
24	5½	....	Chandler-Cleve. Motor..	8,300	23½	22	22⅝	— ⅞
36¼	14	....	Chandler-Cleve. Mot. pf	11,900	34	31⅛	33½	+ 3¾
154¾	111	6	Chicago Pneumatic Tool	1,000	153¼	150	153¼	+ 5¼
140½	54¾	3	Chrysler Corp.	1,500	131¼	128⅜	129	— ¼
20½	10	.80	Continental Motors	6,400	19¼	18½	18⅞	....
40⅝	12	....	Dodge Bros. A.....	200	26	26	26	— ¼
68⅞	26	2	Eaton Axle & Spring...	6,700	67	62½	64	— 2⅝
119	60	4	Electric Auto-Lite	5,400	112	110½	112	+ 1¾
99⅝	69	5	Electric Stor. Battery.	1,600	95¾	95⅛	95⅛	— ⅛
25⅝	16⅝	.80	Federal Motors	3,200	22¼	21	22¼	+ 1¼
17¾	5⅞	....	Fisk Rubber	8,300	13¼	12⅞	13	....
93½	55¾	....	Fisk Rubber 1st pf....	100	69	69	69	....
28½	15	....	Gabriel Snubber	4,400	24½	23	23	— ⅞
16⅝	7¼	....	Gardner Motor	17,300	14½	12¼	14	+ 1⅝
224¾	130	9.50	General Motors	32,600	215	210¾	210¾	— 3¾
127½	123½	7	General Motors 7% pf.	500	125	124⅞	125	+ ¼
31⅛	20⅝	1.60	Glidden Co.	28,600	32¼	31⅛	32	+ 1⅞
99⅝	68½	4	Goodrich	6,700	88⅞	81½	88⅞	7⅛
98⅞	45⅛	....	Goodyear T. & R.....	21,000	105½	95¼	104¾	+ 10⅞
102⅛	92½	7	Goodyear T. & R. pf...	1,400	103⅜	102	103⅜	+ 1¼
61¼	16⅝	....	Graham-Paige Motor ..	5,000	46¾	43¼	46¼	+ 2⅞
99⅞	75	5	Hudson Motor Car.....	10,900	84⅝	83¼	83⅞	+ ⅛
81½	29	2	Hupp Motor Car.....	37,300	77	75	75¾	+ 1⅜
70	20	1	Indian Motorcycle	1,100	25⅞	25	25⅞	+ ⅞
21¾	8⅛	....	Intercon. Rubber	500	11½	11¼	11¼	....
394¾	224¾	6	International Harvester	300	382	378	382	+ 7
147	136¼	7	Internat. Harvester pf	300	142	141⅞	141⅞	+ ⅛
194¾	96¼	3	Johns-Manville	5,100	188	184	187	— 2
19½	8⅛	....	Jordan Motor Car.....	900	13⅝	12⅝	12⅝	....
25	19⅝	....	Kelly-Springfield	11,700	21	20	20⅞	+ ⅞
101	58	....	Kelly-Springfield 6s pf	200	99¾	99	99	— 1
95	55¼	....	Kelly-Springfield 8s pf.	200	91	90	90	....
56	22½	2	Kelsey-Hayes Wheel ..	800	47½	46⅝	46¾	+ ⅜
26¼	17¼	....	Lee Rubber & Tire...	500	22¼	20¾	22¼	+ 1¼
107⅞	88	6	Mack Trucks	8,100	103¼	102	102½	— ½
81⅞	45¼	3.25	Marlin Rockwell	1,100	78½	78¼	78¼	+ ⅝
25⅝	12⅛	....	Martin Parry	900	20⅜	19	19	....
41⅝	25¼	....	Mengel	1,800	33⅝	32⅝	33⅝	+ 1
27	18½	....	Miller Rubber	200	22	21	22	....
11½	5⅜	....	Moon Motors	400	6⅞	6⅜	6⅜	....
24¾	13	....	Moto Meter A.....	1,100	20¼	19½	20¼	+ ⅜
218¾	94	2	Motor Products	100	159¾	139¾	159¾	+ 2¾
51¼	25⅝	2.25	Motor Wheel Corp....	800	38	37⅝	38	+ ⅜
95¼	69¼	....	Mullins Mfg.	100	85¾	84¾	85¾	— ¼
124¼	21½	....	Murray Corp.	800	110½	109¼	109½	— ½
106⅞	80¼	6	Nash Motors	44,200	106½	104⅛	106½	+ 1½
7½	2½	....	Norwalk T. & R.....	300	6	5⅞	6	+ ¼
15¼	9¼	....	Omnibus Corp.	700	9¾	9⅜	9⅜	— ⅜
123¼	56¼	5.50	Packard Motor Car...	22,100	122⅜	120½	120⅝	— ⅞
25⅞	14⅛	....	Peerless Motor Car...	1,100	18¼	17½	18½	+ 1⅛
27⅝	18½	....	Pierce-Arrow	700	23¾	23¼	23¾	+ ¾
71	56½	....	Pierce-Arrow pf.	100	60½	60½	60½	— 1½
35¼	22½	1.50	Reo Motors	3,400	28⅝	28¼	28⅝	— ¼
14⅝	8¼	....	Reynolds Spring	6,100	12½	12⅛	12⅜	+ ⅜
45¾	23½	....	Spicer Mfg. Co.....	600	44⅜	43⅛	43½	+ ⅛
115⅝	77¼	6	Stewart-Warner Speed.	14,500	118⅛	115½	117¾	+ 4½
88	44	2	Stromberg Carburetor.	2,000	96	92	93	+ 5½
87½	57	5	Studebaker Co.	1,300	76⅜	75⅛	75⅜	+ ⅛
154	112⅝	6	Timken Roller Bear...	1,000	148⅞	147⅝	147⅞	+ ½
44⅞	32⅜	2.50	Trico	700	42½	41⅜	41⅜	— ⅝
63¼	27	....	U. S. Rubber	4,800	42½	40⅝	42¼	+ 1⅞
109⅝	55	....	U. S. Rubber 1st pf...	1,800	71⅞	69⅛	71⅞	+ 2⅞
57⅝	42⅛	2	Westinghouse A. B....	3,700	49	48¼	48½	— ⅜
49⅞	41⅜	3	White Motors	10,800	40⅝	37¾	40⅜	+ 2½
32½	17¾	1.20	Willys-Overland	50,400	30½	28½	29¾	+ 1½
84½	61½	5	Yale & Towne.....	300	62½	61⅝	62½	+ ⅝
42⅝	27⅝	....	Yellow Tr. and C.....	21,200	50	40	50	+ 10⅛

NEW YORK CURB MARKET

Sales.		High.	Low.	Close.	Net C'hge.
200	Auburn Auto.	117	117	117	+1
100	Bohn Alum...	82⅞	82⅞	82⅞	+ 1⅜
300	Budd Mach ..	39⅞	39	39⅞	+ ¾
500	Bullard M. T.	109	105	105	+ 6¾
5800	Checkercab ..	7	6⅜	6½	— ⅝
1100	Doehler D. C.	40⅞	40	40	...
7100	Dupont Mot..	143⅛	142⅛	142¾	+ ¾
800	Durant Motor	15⅝	15⅛	15⅝	+ ⅝
7100	Ev. Au. Ld. A	66	65⅜	66	—2⅝
500	Fageol Mot...	5⅝	5⅜	5⅜	— ⅛
5100	Fiat	17½	17¼	17¼	+ 1¼
150	Firestone	180	179	180	+ 2
10	Ford Canada.	601	601	601	...
800	Galesburg ...	100	98	100	+ 4
500	Hall Lamp...	23	23	23	+ ½
5000	Marmon Mot.	79½	76¼	79¼	+ 1¼
100	Miller Rubber	42	42	42	...
200	Pitt. Pl. Glss	68	68	68	...
3200	Raybestos ...	73¾	72	72½	—1
3200	Raybestos ...	73¾	72	72½	—1
200	Rep. M. T. cf.	2	2	2	...
25300	Serv-el Inc...	16⅞	15⅞	16¼	+ ⅛
800	Sparks With.	176¾	176	176	—2
200	Stutz Motor .	43	41	41⅛	...
700	Tim. Det. Ax.	24⅞	24⅝	24¾	...
600	U. S. Asbes..	54⅛	54	54	—1⅜
200	Watson, J.W.	10⅝	10⅜	10⅝	— ⅛
100	West Auto ..	56⅝	56⅝	56⅝	— ½
1000	Wire Wheel..	33⅞	33⅛	33⅛	— ¾

CHICAGO

Sales		High	Low	Last
2450	Auburn Auto	118	115	118
3200	Bastian Blessing..	46	45	45⅛
4000	Bendix Corp.	117¾	115	115
42300	Borg-Warner	139½	135½	139
200	do 7s pf.....	102½	102	102½
600	Chi Yellow Cab...	33¼	33	33¼
2050	Galesburg	102	100	100
3600	Henney	53	51	53
250	do pf	52	50	52
200	Hershey A	65	65	65
1300	do B	67	64	64
3800	Houdaille	63	56¼	56¼
4400	do B	62⅞	56⅛	56¼
100	McCord A	42	42	42
50	McQuay Norris ..	57½	57½	57½
240	Midland Steel ...	119½	117	119½
210	Mohawk Rubber..	229	226	229
300	Oak Prod B.....	83	82	82
200	Perfect Circle ...	55	54	55
800	Pines Winterfront.	217½	212	215
250	Thompson	64½	64	64½
100	Way Fum pf.....	44	44	44
750	Wis Parts	39	38	38½

(The above tables show Monday's automotive stock movemnts, complete.)

CLEVELAND

10	Aetna Rubber....	26	26	26
100	Akron Rubber Rec.	24	24	24
10	Firestone	181	181	181
50	do 6s pf.....	111	110	110
40	do 7s pf.....	108	108	108
40	General Tire pf...	99¼	99	99
16	Glidden pr pf.....	104½	104½	104½
530	India Tire	36¾	36	36¾
25	Jaeger Mach	41½	41½	41½
10	Miller Rubber	72	72	72
100	Otis Steel	39½	39½	39½
198	Packard	105	103½	105
380	Seiberling Rubber.	49½	48¾	49
1110	Thomp Prod A...	40½	38	38¾
233	Youngstn S&T pf.	102	102	102

DETROIT

1350	Auto Fan	15⅜	15¼	15¼
880	Bohn Alum	83	82½	82½
250	C G Spring.....	7	7	7
459	Detroit Motor Bus	9½	9½	9½
1050	Gr Metal	15	15	15
1580	Hall Lamp	22¾	22⅝	22½
1082	Hayes Body	51	51	51
100	Lakey	31	31	31
300	Packard	122	121	121
574	Timken	24½	24⅛	24⅛

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